

November 14, 2001

Motiva Enterprises, L.L.C.
2000 Wrangle Hill Road
Delaware City, DE 19706

ATTENTION: Franklin R. Wheeler
Plant Manager

Subject: Permit: AQM-003/00016 - Part 1

Dear Mr. Wheeler:

The Air Quality Management (AQM) Section of the Department of Natural Resources and Environmental Control has partially completed processing Motiva Enterprises, L.L.C.'s (Motiva) January 2, 1997, AQM-1001 series application and supplemental information that was submitted to the Department pursuant to Regulation No. 30 of the State of Delaware **Regulations Governing the Control of Air Pollution**.@ The application indicated that Motiva is subject to Regulation No. 30 because the potential to emit a combination of hazardous air pollutants (HAPs), nitrogen oxides, and volatile organic compounds (VOCs) exceeds 25 tons per year (tpy); and the potential to emit sulfur dioxide, carbon monoxide, and particulate matter exceeds 100 tpy. The inherent complexity of this facility, coupled with the fact that most of the units are major sources by themselves, has necessitated this permit to be structured in several parts. The Department will continue its review of the remaining units and expects to process the Regulation No. 30 operating permit for the remaining units in the near future. Part 1 of this permit covers the following units:

\$ Hydrodesulfurization Unit	\$ Hydrocracker Unit
\$ Tetra Unit	\$ Refinery Tank Farm and
\$ Selective Hydrogenation Unit	\$ Ether Plant
\$ Olefins Plant	\$ Degreaser Units

As the designated responsible official for the Delaware Solid Waste Authority it is your responsibility to review, understand, and abide by all of the terms and conditions of the attached permit. It is also your responsibility to ensure that any person who operates any emission unit subject to any term or condition of the attached permit reviews, understands, and abides by the conditions of the attached permit that are applicable to that particular unit.

The attached permit specifies the terms and conditions, conditions 2 through 6, under which Motiva is permitted to operate the emission units listed in condition 1 of the attached permit. In addition to the emission units listed in Condition 1, Motiva will be permitted to operate all activities with air emissions that are not listed in Condition 1 and

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that are designated as insignificant activities under Regulation No. 30 or designated as trivial activities under Appendix AA@ of the Department=s summary of the July 10, 1995, EPA AWhite Paper for Streamlined Development of Part 70 Permit Applications,@ notwithstanding Regulation No. 2 of the State of Delaware **Regulations Governing the Control of Air Pollution.**@

Condition 3(c)(2)(i) of the attached permit requires Motiva to submit to the Department a report not later than the first day of February and August of each calendar year. The first report shall be submitted not later than February 1, 2002, and shall cover the period from the issue date of this permit, through December 31, 2001.

The attached permit covers only the operating permit requirements of Regulation No. 2 and Regulation No. 30. The attached permit does not satisfy future construction permit obligations. Prior to initiating any construction or modification activity Motiva must evaluate the applicability of, and, if required, secure necessary construction permit(s) pursuant to Regulation No. 2 or 25, and/or initiate necessary permit revision procedures pursuant to Regulation No. 2 and Regulation No. 30.

Any questions concerning the attached permit may be directed to Ravi Rangan, P.E. or Bruce Steltzer at (302) 323-4542. Sincerely,

Robert J. Taggart
Program Manager
Engineering & Compliance Branch

RJT:CRR:bas
F:\CRR\01088CRR

pc: Dover File
 Title V File
 Ravi Rangan, P.E.
 Bruce Steltzer

State of Delaware
Department of Natural Resources & Environmental Control
Division of Air & Waste Management
Air Quality Management Section
156 South State Street
Dover, DE 19901

Regulation No. 30 (Title V) Operating Permit
Facility I.D. Number: **1000300016**
Permit Number: **AQM-003/00016 - Part 1**

Effective Date: November 14, 2001 Expiration Date: November 13, 2006

Pursuant to 7 Del. C. Chapter 60, Section 6003 and the State of Delaware "**Regulations Governing the Control of Air Pollution**," Regulation No. 2, Section 2 and Regulation No. 30, Section 7(b), approval of the Department of Natural Resources and Environmental Control (Department) is hereby granted to operate the emission units listed in Condition 1 of this permit; subject to the terms and conditions of this permit.

This approval is granted to:

Permittee (hereafter referred to as ACompany@)	Plant Site Location (hereafter referred to as AFacility@)
Motiva Enterprises, L.L.C. Delaware City, Delaware 19706 Responsible Official: Mr. Franklin R. Wheeler, Plant Manager	Motiva Enterprises, L.L.C. 2000 Wrangle Hill Road Delaware City, DE 19706

The nature of business of the Facility is Petroleum Refining. The Standard Industrial Classification code is 2911.

All terms and conditions of this permit are enforceable by the Department and by the U.S. Environmental Protection Agency (EPA) unless specifically designated as AState Enforceable Only@ by the Department only. *[Reference Regulation No. 30 Section 6(b)(1), dated 11/15/93]*

Ravi Rangan, P.E.
Environmental Engineer
Engineering & Compliance Branch
(302) 323-4542

Date

Robert J. Taggart
Program Manager
Engineering & Compliance Branch
(302) 323-4542

Date

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Condition 1. Emission Units Identification. [Reference Regulation No. 30 Section 3(c)(1), dated 11/15/93]

a. Emission Units Information.

Table 2: Emission Points, Units, and Identification of Applicable Regulations:

Designation	Emission Unit	Source Description
HDS	29-1	Catalytic Hydrodesulfurizer Train 1 feed heater (29-H-101) and fractionator heater (29-H-8)
	29-2	Catalytic Hydrodesulfurizer Train 2 feed/fractionator heater (29-H-2), Train 3 feed heater (29-H-3) and fractionator reboiler heater (29-H-9)
	29-3	Catalytic Hydrodesulfurizer Train 4 feed heater (29-H-4) and Train 4 fractionator heater (29-H-7)
	29-4	Catalytic Hydrodesulfurizer Train 5 fractionator heater (29-H-6) and Train 5 feed heater (29-H-5)
Tetra	fugitives	Tanks
	32-1	Tetra unit feed heater (32-H-101); Tetra unit feed preparation column bottoms heater (32-H-102); and Tetra unit heater (32-H-103)
SHU	33-1	Selective hydrogenation unit start up heater (33-H-1)
	33-2	Selective hydrogenation unit reboiler heater (33-H-2)
Olefins	fugitives	Tanks
	34-1	Olefins reboiler heater (34-H-101)
HC	36-1	Hydrocracker unit feed heater (36-H-1)
	36-2	Hydrocracker unit vacuum column reboiler (36-H-2)
	36-2	Hydrocracker unit fractionator reboiler (36-H-3)
TF	40-2	Coker feed tanks heater (40-H-1)
FES	40-1	Refinery frozen earth propane storage flare system
TF	Various	Refinery Tank Farm classified under 11 groups based on type of construction, type of seal, vapor pressure of the stored liquid and the regulatory applicability of different regulations.
EP	Fugitives	Ether Plant

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b. Regulation No. 2 Permit Identification.

Reference Number	Full Regulation No. 2 Permit Designation
<u>APC-82/0633</u>	<u>APC-82/0633-OPERATION</u> issued February 8, 1985. Heater Unit 29-H-101
<u>APC-81/0790</u>	<u>APC-81/0790-OPERATION</u> issued June 17, 1981. Heater Unit 29-H-2.
<u>APC-81/0791</u>	<u>APC-81/0791-OPERATION</u> issued June 17, 1981. Heater Unit 29-H-3.
<u>APC-81/0792</u>	<u>APC-81/0792-OPERATION</u> issued June 17, 1981. Heater Unit 29-H-4.
<u>APC-81/0793</u>	<u>APC-81/0793-OPERATION</u> issued June 17, 1981. Heater Unit 29-H-5.
<u>APC-81/0794</u>	<u>APC-81/0794-OPERATION</u> issued June 17, 1981. Heater Unit 29-H-6.
<u>APC-81/0795</u>	<u>APC-81/0795-OPERATION</u> issued June 17, 1981. Heater Unit 29-H-7.
<u>APC-81/0796</u>	<u>APC-81/0796-OPERATION</u> issued June 17, 1981. Heater Unit 29-H-8.
<u>APC-81/0797</u>	<u>APC-81/0797-OPERATION</u> issued June 17, 1981. Heater Unit 29-H-9.
<u>APC-81/0873</u>	<u>APC-81/0873-OPERATION</u> issued August 21, 1981. Hydrodesulfurizer Train I.
<u>APC-81/0874</u>	<u>APC-81/0874-OPERATION</u> issued August 21, 1981. Hydrodesulfurizer Train II.
<u>APC-81/0875</u>	<u>APC-81/0875-OPERATION</u> issued August 21, 1981. Hydrodesulfurizer Train III.
<u>APC-81/0876</u>	<u>APC-81/0876-OPERATION</u> issued August 21, 1981. Hydrodesulfurizer Train IV.
<u>APC-81/0877</u>	<u>APC-81/0877-OPERATION</u> issued August 21, 1981. Hydrodesulfurizer Train V.
<u>APC-81/0832</u>	<u>APC-81/0832-OPERATION (Amendment 1)(HON)</u> issued October 23, 1997. Benzene Loading Facility.
<u>APC-81/0833</u>	<u>APC-81/0833-OPERATION</u> issued February 24, 1982. Aromatics Fractionation and Storage Facility.
<u>APC-82/0979</u>	<u>APC-82/0979-OPERATION</u> issued September 16, 1982. Nitrogen Grade Toluene Facility.
<u>APC-81/0802</u>	<u>APC-81/0802-OPERATION</u> issued June 17, 1981. Heater Unit 32-H-101.
<u>APC-81/0803</u>	<u>APC-81/0803-OPERATION</u> issued June 17, 1981. Heater Unit 32-H-102.
<u>APC-81/0804</u>	<u>APC-81/0804-OPERATION</u> issued June 17, 1981. Heater Unit 32-H-103.
<u>APC-95/0580</u>	<u>APC-95/0580-CONSTRUCTION (RACT)</u> issued September 6, 1995. Coker Naphtha Selective Hydrogenation Unit.
<u>APC-81/0805</u>	<u>APC-81/0805-OPERATION</u> issued June 17, 1981. Heater Unit 33-H-1.
<u>APC-81/0806</u>	<u>APC-81/0806-OPERATION</u> issued June 17, 1981. Heater Unit 33-H-2.
<u>APC-81/0822</u>	<u>APC-81/0822-OPERATION (Amendment 1)</u> issued June 12, 1992. Olefins Plant.

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<u>APC-81/0808</u>	<u>APC-81/0808-OPERATION</u> issued June 17, 1981. Heater Unit 134-H-101.
<u>APC-81/0966</u>	<u>APC-81/0966-OPERATION</u> issued September 9, 1981. Hydrocracker Unit and Process Heaters 36-H-1, 36-H-2, and 36-H-3.
<u>APC-80/0869(A5)</u>	<u>APC-80/0869-OPERATION (Amendment 5)(VOC RACT)(NSPS)</u> issued November 4, 1999. Intermediate Product Tank Farm.
<u>APC-80/0869(A4)</u>	<u>APC-80/0869-OPERATION (Amendment 4)(VOC RACT)(NSPS)</u> issued April 12 1996. Intermediate Product Tank Farm.
<u>APC-80/0870(A3)</u>	<u>APC-80/0870-OPERATION (Amendment 3)(VOC RACT)(NSPS)</u> issued March 29, 2000. Crude Oil Tank Farm.
<u>APC-80/0870(A2)</u>	<u>APC-80/0870-OPERATION (Amendment 2)(VOC RACT)(NSPS)</u> issued October 12, 1994. Crude Oil Tank Farm.
<u>APC-81/0120</u>	<u>APC-81/0120-OPERATION (Amendment 2)(RACT)</u> issued November 6, 1996. Sour Water Treatment Crude Unit.
<u>APC-80/0868</u>	<u>APC-80/0868-OPERATION</u> issued April 30, 1980. Product Tank Farm.
<u>APC-91/0553</u>	<u>APC-91/0553-OPERATION (RACT)(MACT)</u> issued January 30, 1995. Ether Plant.

Condition 2. General Requirements.

a. Certification.

1. Each document submitted to the Department/EPA pursuant to this permit shall be certified by a responsible official as to truth, accuracy, and completeness. Such certification shall be signed by a responsible official and shall contain the following language: "I certify, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete." *[Reference Regulation No. 30 Section 5(f), dated 11/15/93 and 6(c)(1), dated 11/15/93]*
2. Any report of deviations required under Conditions 3(c)(2)(ii) or 3(c)(2)(iii) that must be submitted to the Department within ten (10) calendar days of the deviation, may be submitted in the first instance without a certification provided a certification meeting the requirements of Condition 2(a)(1) is submitted to the Department within ten (10) calendar days thereafter, together with any corrected or supplemental information required concerning the deviation. *[Reference Regulation No. 30 Section 6(a)(3)(iii)(D), dated 11/15/93]*
3. Each document submitted to the Department/EPA pursuant to this permit shall be sent to the following addresses:

State of Delaware - DNREC Division of Air and Waste Management Air Quality Management Section 156 South State Street Dover, DE 19901 Attn: Program Administrator	Section Chief Air Enforcement Section (3 AP13) United States Environmental Protection Agency 841 Chestnut Street Philadelphia, PA 19107
No. of copies: <u>2</u>	No. of copies: <u>1</u>

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b. Compliance.

1. The Company shall comply with all terms and conditions of this permit. Any noncompliance with this permit constitutes a violation of the applicable requirements under the Clean Air Act, and/or the State of Delaware "**Regulations Governing the Control of Air Pollution**," and is grounds for an enforcement action, for permit termination, revocation and reissuance or modification, or for denial of a permit renewal. *[Reference Regulation No. 30 Sections 6(a)(7)(i), dated 11/15/93]*
2.
 - i. For applicable requirements with which the source is in compliance, the Company shall continue to comply with such requirements. *[Reference Regulation No. 30 Sections 5(d)(8)(iii)(A), dated 11/15/93, and 6(c)(3), dated 11/15/93]*
 - ii. For applicable requirements that will become effective during the term of this permit, the Company shall meet such requirements on a timely basis unless a more detailed schedule is expressly required by the applicable requirement. *[Reference Regulation No. 30 Sections 5(d)(8)(iii)(B), dated 11/15/93, and 6(c)(3), dated 11/15/93]*
3. Nothing in Condition 2(b)(1) of this permit shall be construed to preclude the Company from making changes consistent with Condition 2(m)(3) [Minor Permit Modifications] or Condition 4(a) [Operational Flexibility]. *[Reference Regulation No. 30 Sections 6(h), dated 11/15/93, and 7(e)(1)(v), dated 11/15/93]*
4. The fact that it would have been necessary to halt or reduce an activity in order to maintain compliance with the terms and conditions of this permit shall not constitute a defense for the Company in any enforcement action. Nothing in this permit shall be construed as precluding consideration of a need to halt or reduce activity as a mitigating factor in assessing penalties for noncompliance if the health, safety, or environmental impacts of halting or reducing operations would be more serious than the impacts of continuing operations. *[Reference Regulation No. 30 Section 6(a)(7)(ii), dated 11/15/93]*
5. The Company may seek to establish that noncompliance with a technology-based emission limitation under this permit was due to an emergency or a malfunction if both the record keeping requirements in Condition 3(b)(2)(iii) and the reporting requirements in Condition 3(c)(2)(ii)(A) are satisfied. *[Reference Regulation No. 30 Section 6(g)(2), dated 11/15/93]*
6. In any enforcement proceeding, the Company seeking to establish the occurrence of an emergency or malfunction has the burden of proof. This provision is in addition to any emergency or malfunction provision contained in any applicable requirement. *[Reference Regulation No. 30 Section 6(g)(4), dated 11/15/93 and 6(g)(5), dated 11/15/93]*
7. The Company shall comply with the Ambient Air Quality Standards in accordance with the State of Delaware **ARegulations Governing the Control of Air Pollution.**@ *[Reference Regulation No. 3, dated 3/29/88]*
8. If required, the schedule of compliance in Condition 5(a) of this permit is supplemental to and shall not sanction noncompliance with the applicable requirements upon which it is based. *[Reference Regulation No. 30 Section 5(d)(8)(iii)(C), dated 11/15/93]*
9. Nothing in this permit shall be interpreted to preclude the use of any credible evidence to demonstrate noncompliance with any term of this permit. *[Reference 62 FR 8314, dated 2/24/97]*

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- c. **Confidentiality.** The Company may make a claim of confidentiality for any information or records submitted to the Department. However, by submitting a permit application, the Company waives any right to confidentiality as to the contents of its permit, and the permit contents will not be entitled to protection under 7 Del. C., Chapter 60, Section 6014. [Reference Regulation No. 30 Section 5(a)(4), dated 11/15/93, 6(a)(3)(iii)(E), dated 11/15/93, and 6(a)(7)(v), dated 11/15/93]
1. Confidential information shall meet the requirements of 7 Del. C., Chapter 60, Section 6014, and 29 Del. C., Chapter 100. [Reference Regulation No. 30 Section 5(a)(4), dated 11/15/93]
 2. If the Company submits information to the Department under a claim of confidentiality, the Company shall also submit a copy of such information directly to the EPA, if the Department requests that the Company do so. [Reference Regulation No. 30 Section 5(a)(4), dated 11/15/93]
- d. **Construction, Installation, or Alteration.** The Company shall not initiate construction, installation, or alteration of any equipment or facility or air contaminant control device which will emit or prevent the emission of an air contaminant prior to submitting an application to the Department under Regulation No. 2, and, when applicable, Regulation No. 25, and receiving approval of such application from the Department; except as exempted in Regulation No. 2 Section 2.2 of the State of Delaware **ARegulations Governing the Control of Air Pollution.**@ [Reference Regulation No. 2 Section 2.1, dated 6/1/97 and Regulation No. 30, Section 7(b)(3), dated 11/15/93]
- e. **Definitions/Abbreviations.** Except as specifically provided for below, for the purposes of this permit, terms used herein shall have the same meaning accorded to them under the applicable requirements of the Clean Air Act and the State of Delaware **ARegulations Governing the Control of Air Pollution.**@
1. AAct@ means the Clean Air Act, as amended by the Clean Air Act Amendments of November 15, 1990, 42 U.S.C. 7401 **et seq.** [Reference Regulation No. 30 Section 2, dated 11/15/93]
 2. "AP-42" means the Compilation Of Air Pollutant Emission Factors, Fifth Edition, AP-42, dated January 1995, as amended with Supplements AA@, dated February 1996, and AB@, dated November 1996.
 3. ACFR@ means Code of Federal Regulations.
 4. "Emergency" means any situation arising from sudden and reasonably unforeseeable events beyond the control of the source, including acts of God, which situation requires immediate corrective action to restore normal operation, and that causes the source to exceed a technology-based emission limitation under this permit, due to unavoidable increases in emissions attributable to the emergency. An emergency shall not include noncompliance to the extent caused by improperly designed equipment, lack of preventative maintenance, careless or improper operation, or operator error. [Reference Regulation No. 30 Section 6(g)(1), dated 11/15/93]
 5. "Malfunction" means any sudden and unavoidable failure of air pollution control equipment or process equipment or of a process to operate in a normal or usual manner, and that causes the source to exceed a technology-based emission limitation under this permit, due to unavoidable increases in emissions attributable to the malfunction. A malfunction shall not include noncompliance to the extent caused by improperly designed equipment, lack of preventative maintenance, careless or improper operation, or operator error. [Reference Regulation No. 30 Section 6(g)(1), dated 11/15/93]
 6. AReg.@ and ARegulation@ mean State of Delaware **ARegulations Governing the Control of Air Pollution.**@
 7. **ARegulations Governing the Control of Air Pollution**@ means the codification of those regulations enacted by the Delaware Department of Natural Resources and Environmental Control, in accordance with 7 Del. C., Chapter 60, Section 6010.

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f. Duty to Supplement.

1. Upon becoming aware of a failure to submit any relevant facts or a submittal of incorrect information in any permit application, the Company shall promptly submit to the Department such supplementary facts or corrected information. *[Reference Regulation No. 30 Section 5(b), dated 11/15/93]*
2. The Company shall promptly submit to the Department information as necessary to address any requirement(s) that become applicable to the source after the date it filed a complete application, but prior to release of a corresponding draft permit. *[Reference Regulation No. 30 Section 5(b), dated 11/15/93]*
3. The Company shall furnish to the Department, upon receipt of a written request and within a reasonable time specified by the Department:
 - i. Any information that the Department determines is reasonably necessary to evaluate or take final action on any permit application submitted in accordance with Condition 2(l) or 2(m) of this permit. The Company may request an extension to any deadline the Department may impose on the response for such information. *[Reference Regulation No. 30 Section 5(a)(2)(iii), dated 11/15/93]*
 - ii. Any information that the Department requests to determine whether cause exists to modify, terminate or revoke this permit, or to determine compliance with the terms and conditions of this permit. *[Reference Regulation No. 30 Section 6(a)(7)(v), dated 11/15/93]*
 - iii. Copies of any record(s) required to be kept by this permit. *[Reference Regulation No. 30 Section 6(a)(7)(v), dated 11/15/93]*

g. Emission Trading. No permit revision shall be required under any approved economic incentives, marketable permits, emissions trading, and other similar programs or processes for changes that are provided for in the permit. *[Reference Regulation No. 30 Section 6(a)(9), dated 11/15/93]*

h. Fees. The Company shall pay fees to the Department consistent with the fee schedule established by the Delaware General Assembly. *[Reference Regulation No. 30 Section 6(a)(8), dated 11/15/93 and Section 9, dated 11/15/93]*

i. Inspection and Entry Requirements. Upon presentation of identification, the Company shall allow authorized officials of the Department to perform the following:

1. Enter upon the Company's premises where a source is located or an emissions-related activity is conducted, or where records that must be kept under the terms and conditions of this permit are located. *[Reference Regulation No. 30 Section 6(c)(2)(i), dated 11/15/93]*
2. Have access to and copy, at reasonable times, any record(s) that must be kept under the terms and conditions of this permit. *[Reference Regulation No. 30 Section 6(c)(2)(ii), dated 11/15/93]*
3. Inspect, at reasonable times and using reasonable safety practices, any facility, equipment (including monitoring and air pollution control equipment), practice, or operation regulated or required under this permit. *[Reference Regulation No. 30 Section 6(c)(2)(iii), dated 11/15/93]*
4. Sample or monitor, at reasonable times, any substance or parameter for the purpose of assuring compliance with this permit or any applicable requirement. *[Reference Regulation No. 30 Section 6(c)(2)(iv), dated 11/15/93]*

j. Permit and Application Consultation. The Company is encouraged to consult with Department personnel before submitting an application or, at any other time, concerning the operation, construction, expansion, or modification of any installation, or concerning the required pollution control devices or system, the efficiency of such devices or system, or the pollution problem related to the installation. *[Reference Regulation No. 30 Section 5(a)(1)(vii), dated 11/15/93]*

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- k. **Permit Availability.** The Company shall have available at the facility at all times a copy of this permit and shall provide a copy of this permit to the Department upon request. *[Regulation No. 2 Section 8.1, dated 6/1/97]*
- l. **Permit Renewal.** This permit expires on **March 1, 2006**, except as provided in Condition 2(l)(3) below. *[Reference Regulation No. 30 Section 6(a)(2), dated 11/15/93]*
1. Applications for permit renewal shall be subject to the same procedural requirements, including those for public participation, *affected state* comment, and EPA review, that apply to initial permit issuance under Regulation No. 30 Section 7(a), except that an application for permit renewal may address only those portions of the permit that the Department determines require revision, supplementing, or deletion, incorporating the remaining permit terms by reference from the previous permit. The Department may similarly, in issuing a draft renewal permit or proposed renewal permit, specify only those portions that will be revised, supplemented, or deleted, incorporating the remaining permit terms by reference. *[Reference Regulation No. 30 Section 7(c)(1), dated 11/15/93]*
 2. The Company's right to operate shall cease upon the expiration date unless a timely and complete renewal application has been submitted to the Department not earlier than eighteen (18) months nor later than twelve (12) months prior to the expiration date. *[Reference Regulation No. 30 Section 7(c)(2), dated 11/15/93]*
 3. If a timely and complete application for a permit renewal is submitted to the Department pursuant to Regulation No. 30, Section 5(a)(2)(iv), dated 11/15/93, and Section 7(c)(1), dated 11/15/93, and the Department, through no fault of the Company, fails to take final action to issue or deny the renewal permit before the end of the term of this permit, then this permit shall not expire until the renewal permit has been issued or denied, and any permit shield granted for the permit shall continue in effect during that time. *[Reference Regulation No. 30 Section 7(c)(3), dated 11/15/93]*
- m. **Permit Revision and Termination.**
1. This permit may be modified, revoked, reopened, and reissued, or terminated for cause. Except as provided under Condition 2(m)(3) [Minor Permit Modification], the filing of a request by the Company for a permit modification, revocation and reissuance, or termination, or of a modification of planned changes or anticipated noncompliance does not stay any term or condition of this permit. *[Reference Regulation No. 30 Section 6(a)(7)(iii), dated 11/15/93 and 7(e)(1)(v), dated 11/15/93]*
 2. **Administrative Permit Amendment.** When required, the Company shall submit to the Department a request for an administrative permit amendment in accordance with Regulation No. 30 Section 7(d) of the State of Delaware **Regulations Governing the Control of Air Pollution.** *[Reference Regulation No. 30 Section 7(d), dated 11/15/93]*
 3. **Minor Permit Modification.** When required, the Company shall submit to the Department an application for a minor permit modification in accordance with Regulation No. 30 Section 7(e)(1) and 7(e)(2) of the State of Delaware **Regulations Governing the Control of Air Pollution.** *[Reference Regulation No. 30 Section 7(e)(1), dated 11/15/93 and 7(e)(2), dated 11/15/93]*
 - i. For a minor permit modification, during the period of time between the time the Company makes the change or changes proposed in the minor permit modification application and the time that the Department takes action on the application, the Company shall comply with both the applicable requirements governing the change and the proposed permit terms and conditions. During this period the Company, at its own risk, need not comply with the existing terms and conditions of this permit that it seeks to modify. *[Reference Regulation No. 30 Section 7(e)(1)(v), dated 11/15/93 and 7(e)(2)(v), dated 11/15/93]*
 - ii. If the Company fails to comply with its proposed permit terms and conditions during this time period, the existing terms and conditions of this permit may be enforced against the Company. *[Reference Regulation No. 30 Section 7(e)(1)(v), dated 11/15/93 and 7(e)(2)(v), dated 11/15/93]*
 4. **Significant Permit Modification.** When required, the Company shall submit to the Department an application for a significant permit modification in accordance with Regulation No. 30 Section 7(e)(3) of

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the State of Delaware **ARegulations Governing the Control of Air Pollution.**@ [Reference Regulation No. 30 Section 7(e)(3), dated 11/15/93]

5. i. When the Company is required to meet the requirements under section 112(g) of the Act or to obtain a preconstruction permit under the State of Delaware **@Regulations Governing the Control of Air Pollution.**@ the Company shall file a complete application to revise this permit within twelve (12) months of commencing operation of the construction or modification. [Reference Regulation No. 30 Section 5(a)(1)(iv), dated 11/15/93]
 - ii. When the Company is required to obtain a preconstruction permit, the Company may submit an application to revise this permit for concurrent processing. The revision request for this permit when submitted for concurrent processing shall be submitted to the Department with the Company's preconstruction review application or at such later time as the Department may allow. Where this permit would prohibit such construction or change in operation, the Company shall obtain a *permit revision* before commencing operation. [Reference Regulation No. 2 Sections 11.2(j), 11.5 and 12.4, dated 6/1/97, and Regulation No. 30 Section 5(a)(1)(iv), dated 11/15/93]
 - iii. Where an application is not submitted for concurrent processing, the Company shall obtain an operating permit under the State of Delaware **@Regulations Governing the Control of Air Pollution.**@ prior to commencing operation of the construction or modification to cover the period between the date operation is commenced and until such time as operation is approved under Regulation No. 30. [Reference Regulation No. 2 Section 2.1, dated 6/1/97]
6. APermit Termination.@ The Company may at any time apply for termination of this permit in accordance with Regulation No. 30 Section 7(h)(4) or Section 7(h)(5) of the State of Delaware **ARegulations Governing the Control of Air Pollution.**@ [Reference Regulation No. 30 Sections 7(h)(4), dated 11/15/93 and 7(h)(5), dated 11/15/93]

n. Permit Transfer.

1. A change in ownership or operational control of this facility shall be treated as an administrative permit amendment where the Department has determined that no other change in the permit is necessary, provided that a written agreement containing a specific date for transfer of permit responsibility, coverage, and liability between the current and new owner has been submitted to the Department. [Reference Regulation No. 30 Section 7(d)(1)(iv), dated 11/ 15/ 93]
2. In addition to any written agreement submitted by the Company in accordance with Condition 2(n)(1), the Company shall have on file at the Department a statement meeting the requirements of 7 Del. C., Chapter 79, Section 7902. This permit condition is state enforceable only. [Reference 7 Del. C., Chapter 79, dated 7/20/92]
3. The written agreement required in Condition 2(n)(1) of this permit shall be provided to the Department within a minimum of thirty (30) calendar days prior to the specific date for transfer and shall indicate that the transfer is agreeable to both the current and new owner. [Reference Regulation No. 2 Section 7.1, dated 6/1/97]

o. Property Rights. This permit does not convey any property rights of any sort, or any exclusive privilege. [Reference Regulation No. 30 Section 6(a)(7)(iv), dated 11/15/93]

p. Risk Management Plan.

1. In the event this stationary source, as defined in 40 CFR Part 68.3, is subject to or becomes subject to 40 CFR Part 68, dated July 1, 1996, the owner or operator shall submit a Risk Management Plan (RMP) by the date specified in Part 68.10 and shall certify compliance with the requirements of Part 68 as part of the annual compliance certification as required by 40 CFR Part 70. [Reference Regulation No. 30 Section 6(a)(4), dated 11/ 15/ 93]
2. If the Company is required to develop and register a risk management plan pursuant to the State of Delaware **ARegulation for the Management of Extremely Hazardous Substances.**@ the Company shall

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comply with the requirement to develop and register such a plan. *[Reference State of Delaware Regulation for the Management of Extremely Hazardous Substances, @ dated 12/18/95]*

q. Protection of Stratospheric Ozone.

When applicable, this Facility shall comply with the following requirements: *[Reference 40 CFR Part 82 Protection of Stratospheric Ozone, revised as of 7/1/97]*

1. The permittee shall comply with the standards for labeling of products using ozone-depleting substances pursuant to 40 CFR Part 82, Subpart E:
 - i. All containers in which a class I or class II substance is stored or transported, all products containing a class I substance, and all products directly manufactured with a process that uses a class I substance must bear the required warning statement if it is being introduced into interstate commerce pursuant to ' 82.106.
 - ii. The placement of the required warning statement must comply with the requirements pursuant to ' 82.108.
 - iii. The form of the label bearing the required warning statement must comply with the requirements pursuant to ' 82.110.
 - iv. No person may modify, remove, or interfere with the required warning statement except as described in ' 82.112.
1. Any person servicing, maintaining, or repairing appliances, except for motor vehicles, shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for MVACs in Subpart B. In addition, Subpart F applies to refrigerant reclaimers, appliance owners, and manufacturers of appliances and recycling and recovery equipment:
 - i. Persons opening appliances for maintenance, service, repair, or disposal must comply with the prohibitions and required practices pursuant to ' 82.154 and ' 82.156.
 - ii. Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to ' 82.158.
 - iii. Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to ' 82.161.
 - iv. Persons performing maintenance, service, repair, or disposal of appliances must certify with the Administrator pursuant to ' 82.158 and ' 82.162.
 - v. Persons disposing of small appliances, MVACs, and MVAC-like appliances must comply with record keeping requirements pursuant to ' 82.166. (AMVAC-like appliance" as defined at ' 82.152)
 - vi. Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to ' 82.156.
2. Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to 40 CFR Part 82, Subpart F ' 82.166.
2. If the permittee manufactures, transforms, destroys, imports, or exports a class I or class II substance, the permittee is subject to all the requirements as specified in 40 CFR Part 82, Subpart A, Production and Consumption Controls.
3. If the permittee performs a service on motor (fleet) vehicles when this service involves ozone-depleting substance refrigerant (or regulated substitute substance) in the motor vehicle air

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conditioner (MVAC), the permittee is subject to all the applicable requirements as specified in 40 CFR Part 82, Subpart B, Servicing of Motor Vehicle Air Conditioners.

The term "motor vehicle" as used in Subpart B does not include a vehicle in which final assembly of the vehicle has not been completed. The term AMVAC@ as used in Subpart B does not include the air-tight sealed refrigeration system used as refrigerated cargo, or system used on passenger buses using HCFC-22 refrigerant. These systems are regulated under 40 CFR Part 82, Subpart F.

4. The permittee shall be allowed to switch from any ozone-depleting substance to any alternative that is listed as acceptable in the Significant New Alternatives Program (SNAP) promulgated pursuant to 40 CFR Part 82, Subpart G, Significant New Alternatives Policy Program.
- r. Severability. The provisions of this permit are severable. If any part of this permit is held invalid, the application of such part to other persons or circumstances and the remainder of this permit shall not be affected thereby and shall remain valid and in effect. [Reference Regulation No. 30 Section 6(a)(6), dated 11/15/93]

Condition 3. Specific Requirements.

- a. **Emission Limitations/Standards and/or Operational Limitations/Standards.** The Company shall comply with the emission limitations/ standards and operational limitations/ standards detailed in Condition 3 - Table 1 of this permit. [Reference Regulation No. 30 Section 6(a)(1), dated 11/15/93]
- b. **Compliance Determination Methodology (Monitoring/Testing, QA/QC Procedures (as applicable) and Record Keeping).** The Company shall maintain, at a minimum, all of the information required under Conditions 3(b)(1) and 3(b)(2) of this permit for a minimum of five (5) years from such information's date of record. [Reference Regulation No. 30 Section 6(a)(3)(ii)(B), dated 11/15/93]
 1. Specific Requirements. The Company shall comply with the operational limitation(s), monitoring, testing, and record keeping requirement(s) detailed in Condition 3 - Table 1 which are in addition to those in Condition 3(b)(2). [Reference Regulation No. 30 Section 6(a)(1), dated 11/15/93, 6(a)(3)(i), dated 11/15/93, and 6(a)(10), dated 11/15/93]
 - ii. General Testing Requirements. Upon written request of the Department, the Company shall, at the Company's expense, sample the emissions of, or fuel used by, an air contaminant emission source, maintain records and submit reports to the Department on the results of such sampling. [Reference Regulation No. 17, Section 2.2, dated 7/17/84]
2. General Record Keeping Requirements. The Company shall record, at a minimum, all of the following information.
 - i. If required, for each operating scenario identified in Condition 3 - Table 1 of this permit, a log that indicates the operating scenario under which each particular emission unit is operating. The Company shall, contemporaneously with changing from one operating scenario to another, record in this log the scenario under which it is operating. [Reference Regulation No. 30 Section 6(a)(10), dated 11/15/93]
 - ii. The following information to the extent specified in Condition 3 - Table 1 of this permit. [Reference Regulation No. 30 Section 6(a)(3)(ii)(A), dated 11/15/93]
 - A. The date, place, and time of the sampling or measurements. [Reference Regulation No. 30 Section 6(a)(3)(ii)(A)(aa), dated 11/15/93]
 - B. The date(s) analyses were performed. [Reference Regulation No. 30 Section 6(a)(3)(ii)(A)(bb), dated 11/15/93]
 - C. The company or entity that performed the analyses. [Reference Regulation No. 30 Section 6(a)(3)(ii)(A)(cc), dated 11/15/93]

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- D. The analytical techniques or methods used. *[Reference Regulation No. 30 Section 6(a)(3)(ii)(A)(dd), dated 11/15/93]*
- E. The results of such analyses. *[Reference Regulation No. 30 Section 6(a)(3)(ii)(A)(ee), dated 11/15/93]*
- F. The operating conditions as existing at the time of sampling or measurement. *[Reference Regulation No. 30 Section 6(a)(3)(ii)(A)(ff), dated 11/15/93]*
- iii. If the Company is claiming the affirmative defense of emergency or malfunction as provided in Condition 2(b)(5); properly signed, contemporaneous operating log(s), or other relevant evidence which indicates that: *[Reference Regulation No. 30 Section 6(g)(3), dated 11/15/93]*
 - A. An emergency or malfunction occurred and the cause(s) of the emergency or malfunction. *[Reference Regulation No. 30 Section 6(g)(3)(i), dated 11/15/93]*
 - B. The facility was at the time of the emergency or malfunction being operated in a prudent and professional manner and in compliance with generally accepted industry operations and maintenance procedures. *[Reference Regulation No. 30 Section 6(g)(3)(ii), dated 11/15/93]*
 - C. During the period of the emergency or malfunction the Company took all reasonable steps to minimize levels of emissions that exceeded the emission standard(s), or other requirement(s) of this permit. *[Reference Regulation No. 30 Section 6(g)(3)(iii), dated 11/15/93]*
- iv. A copy of the written notice required by Condition 3(c)(2)(iii) for each change made under Condition 4(c) [Operational Flexibility] of this permit shall be maintained with a copy of this permit. *[Reference Regulation No. 30 Section 6(h)(1), dated 11/15/93]*

c. Reporting and Compliance Certification Requirements.

1. Specific Reporting/Certification Requirements. The Company shall comply with the Reporting/Certification Requirement(s) detailed in Condition 3 - Table 1 of this permit, which are in addition to those of Conditions 3(c)(2) and 3(c)(3). Each report that contains any deviation(s) from the terms of Condition 3 - Table 1 shall identify the probable cause of the deviation(s) and any corrective action(s) or preventative measure(s) taken. *[Reference Regulation No. 30 Sections 6(a)(3)(iii), dated 11/15/93, 6(a)(3)(iii)(C)(cc), dated 11/15/93, and 6(a)(3)(iii)(C)(dd), dated 11/15/93]*
2. General Reporting Requirements.
 - i. The Company shall submit to the Department a report of any required monitoring not later than the first day of August (covering the period from January 1 through June 30) and the first day of February (covering the period July 1 through December 31) of each calendar year. Each report shall identify any deviation(s) from permit requirements since the previous report, any deviation(s) from the monitoring, record keeping and reporting requirements under this permit, and the probable cause of the deviation(s) and any corrective actions or preventative measures taken. If no deviation(s) has occurred such shall be stated in the report. *[Reference Regulation No. 30 Section 6(a)(3)(iii)(A), dated 11/15/93 and (B), dated 11/15/93, and Section 6(a)(3)(iii)(C)(dd), dated 11/15/93]*
 - ii. In addition to the semiannual monitoring reports required under Condition 3(c)(2)(i), the Company shall submit to the Department supplemental written report(s)/notice(s) identifying all deviations from permit conditions, probable cause of the deviations, and any corrective actions or preventative measures as follows: *[Reference Regulation No. 30, Sections 6(a)(3)(iii)(C)(cc), dated 11/15/93 and 6(a)(3)(iii)(C)(dd), dated 11/15/93]*
 - A. If the Company is claiming the affirmative defense of emergency or malfunction as provided in Condition 2(b)(5) of this permit, a notice of any deviation resulting from emergency or malfunction conditions shall be reported to the Department within two (2) working days of the time when the technology-based emission limitations were exceeded. Such notice shall contain a description of the emergency or malfunction, any steps taken to mitigate emissions, and any

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corrective actions taken. [Reference Regulation No. 30 Sections 6(a)(3)(iii)(C)(aa), dated 11/15/93 and 6(g)(3)(iv), dated 11/15/93]

- B. Emissions in excess of any permit condition or emissions which create a condition of air pollution shall be reported to the Department:
 - 1. Immediately upon discovery and after activating the appropriate site emergency plan to the Department=s 24-hour complaint line if the emission poses an imminent and substantial danger to public health, safety, or the environment. [Reference Regulation No. 30 Section 6(a)(3)(iii)(C)(cc), dated 11/15/93]
 - 2. Immediately upon discovery to the Department=s 24-hour complaint line (State Enforceable Only). [Reference Regulation No. 30 Section 6(a)(3)(iii)(C)(bb), dated 11/15/93]
 - 3. In a written report pursuant to Condition 3(c)(2)(i) and/or the specific reporting requirements listed in Condition 3 - Table (1). [Reference Regulation No. 30 Sections 6(a)(3)(iii)(C)(cc), dated 11/15/93 and 6(a)(3)(iii)(C)(dd), dated 11/15/93]
- C. Discharges to the atmosphere in excess of any quantity specified in the State of Delaware **A Reporting of a Discharge of a Pollutant or an Air Contaminant**@ Regulation shall be reported, immediately upon discovery and after activating the appropriate site emergency plan, either in person or to the Department=s 24-hour complaint line (1-800-662-8802). Discharges in compliance with this permit and excess emissions previously reported under Condition 3(c)(2)(ii)(B) of this permit are exempt from this reporting requirement. [Reference Regulation No. 30 Section 6(a)(3)(iii)(C)(ee), dated 11/15/93 and 7 Del. C., Chapter 60, Section 6028]
- iii. Prior to making a change as provided in Condition 4 [Operational Flexibility] of this permit the Company shall give written notice to the Department and the EPA at least seven (7) calendar days before the change is to be made. [Reference Regulation No. 30 Section 6(h)(1), dated 11/15/93]
 - A. The seven (7) day period may be shortened or eliminated as necessary for a change that must be implemented more quickly to address unanticipated conditions posing a significant health, safety, or environmental hazard. [Reference Regulation No. 30 Section 6(h)(1), dated 11/15/93]
 - B. If less than seven (7) calendar days notice is provided because of a need to respond more quickly to such unanticipated conditions, the Company shall provide notice to the Department and to EPA as soon as possible after learning of the need to make the change, together with the reason(s) why advance notice could not be given. [Reference Regulation No. 30 Section 6(h)(1), dated 11/15/93]
 - C. The written notice shall include all of the following information: [Reference Regulation No. 30 Section 6(h)(1), dated 11/15/93]
 - 1. The identification of the affected emission unit(s) and a description of the change to be made.
 - 2. The date on which the change will occur.
 - 3. Any changes in emissions.
 - 4. Any permit terms and conditions that are affected, including any new applicable requirements.
- iv. The Company shall submit to the Department an annual emissions statement in accordance with Regulation No. 17 Section 7 not later than April 30 of each year or other date as established by the Department unless an extension by the Department is granted. Such emissions statement shall cover the preceding calendar year. [Regulation No. 17 Section 7, dated 1/11/93]

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- v. If required, the Company shall submit to the Department a progress report for applicable requirement(s) identified in Condition 5 - Table 1 of this permit. Such reports shall be submitted not later than the first day of August (covering the period from January 1 through June 30) and the first day of February (covering the period July 1 through December 31) of each calendar year. Each progress report shall include the following: *[Reference Regulation No. 30 Sections 5(d)(8), dated 11/15/93 and 6(c)(4), dated 11/15/93]*
 - A. Dates for achieving the activities, milestones, or compliance required in the schedule of compliance, and dates when such activities, milestones or compliance were achieved. *[Reference Regulation No. 30 Section 6(c)(4)(i), dated 11/15/93]*
 - B. An explanation of why any dates in the schedule of compliance were not or will not be met, and any preventive or corrective measures adopted. *[Reference Regulation No. 30 Section 6(c)(4)(ii), dated 11/15/93]*
- vi. Nothing herein shall relieve the Company from any reporting requirements under federal, state or local laws. *[Reference Regulation No. 30 Section 6(a)(3)(iii)(C)(ee), dated 11/15/93]*

3. General Compliance Certification Requirements.

- i. Compliance with terms and conditions detailed in Condition 3 - Table 1 of this permit shall be certified to the Department not later than the first day of February of each year unless the terms or conditions in Condition 3 - Table 1 require compliance certifications to be submitted more frequently. Such certification shall cover the previous calendar year and shall be submitted on Form AQM-1001BB. The Compliance Certification shall include the following information: *[Reference Regulation No. 30 Section 6(c)(5)(i), dated 11/15/93]*
 - A. The identification of each term or condition of the permit that is the basis of the certification. *[Reference Regulation No. 30 Section 6(c)(5)(iii)(A), dated 11/15/93]*
 - B. The Company's current compliance status, as shown by monitoring data and other information reasonably available to the Company. *[Reference Regulation No. 30 Section 6(c)(5)(iii)(B), dated 11/15/93]*
 - C. Such certification shall indicate whether compliance was continuous or intermittent during the covered period. *[Reference Regulation No. 30 Section 6(c)(5)(iii)(C), dated 11/15/93]*
 - D. The method(s) used for determining the compliance status of the Company, currently and over the reporting period as required by the monitoring, record keeping, and reporting required under Condition 3. *[Reference Regulation No. 30 Section 6(c)(5)(iii)(D), dated 11/15/93]*
 - E. Such other facts as the Department may require to determine the compliance status of the source. *[Reference Regulation No. 30 Section 6(c)(5)(iii)(E), dated 11/15/93]*
- ii. Each compliance certification shall be submitted to the Department and EPA and shall be certified in accordance with Condition 2(a) of this permit. *[Reference Regulation No. 30 Section 6(c)(5)(iv), dated 11/15/93]*
- iii. Any additional information possessed by the Company that demonstrates noncompliance with any applicable requirement must also be used as the basis for compliance certifications. *[Reference 62 FR 8314, dated 2/24/97]*

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Condition 3 - Table 1 (Specific Requirements)

Emission Limitation(s)/Standard(s) and/or Operational Limitation(s)/Standard(s)	Compliance Determination Methodology (Monitoring/Testing, QA/QC Procedures (as applicable) and Record Keeping)	Reporting/Compliance Certification
<p>a. Emission Unit 29: Catalytic Hydrodesulfurizer Trains 29-1 through 29-5 and Process Heaters 29-H-101 and 29-H-2 through 29-H-9; Emission Points 29-1 through 29-4</p> <p>i. Particulate Emissions</p> <p>ii. Emission Standard: The Company shall not cause or allow the emission of particulate matter in excess of 0.3 lb/mmBTU heat input on a maximum 2-hour average. [Reference Regulation No. 40 CFR 60.401 dated 2/1/81]</p> <p>iii. Operational Limitation: The process heaters 29-H-2 through 29-H-9 and 29-H-101 are subject to the following fuel usage restrictions: [Reference Regulation No. 40 CFR 60.401(a)(3)(ii) dated 11/15/93]</p> <p>A. 29-H-3, 29-H-4, 29-H-5, 29-H-7 and 29-H-9 shall not combust desulfurized RFG. In addition, 29-H-3 shall not combust process vent gas from 29-D-36.</p> <p>B. 29-H-2 may combust either natural gas or desulfurized RFG. In addition, it may combust process off gas from the alkylation unit and vent gas from 29-D-36.</p> <p>C. 29-H-6 and 29-H-8 may combust either natural gas or desulfurized RFG. In addition, they may combust process off gas from the ether plant Merichem vapors.</p> <p>D. 29-H-101 may combust either natural gas or desulfurized RFG. In addition, it may combust vapors displaced during benzene loading operations subject to the requirements in Section 3a of this permit.</p>	<p>i. Compliance Method: [Reference Regulation No. 40 CFR 60.401 dated 11/15/93]</p> <p>ii. Compliance with the emission standard is based on compliance with the NSPS limit of 0.1 grain/dscf limit of H₂S in RFG.</p> <p>iii. Compliance with the operational limitation shall be demonstrated by record keeping.</p> <p>iv. Monitoring/Testing: [Reference Regulation No. 40 CFR 60.401 dated 11/15/93]</p> <p>v. The Company shall continuously monitor the H₂S concentration in the RFG.</p> <p>vi. The H₂S CEMS shall conform to the requirements of Performance Specification 7 of 40 CFR 60, Appendix A, and comply with the Quality assurance requirements of 40 CFR Appendix AF@.</p> <p>vii. Record Keeping: [Reference Regulation No. 40 CFR 60.401(a)(3) dated 11/15/93]</p> <p>The Company shall maintain records of the fuel combustion for each unit.</p>	<p>i. Reporting: None in addition to those listed in Condition 3(c) of this permit.</p> <p>ii. Certification Requirement: None in addition to those listed in Condition 3(c) of this permit.</p>
<p>2a. Sulfur Dioxide (SO₂)</p> <p>Emission Standards:</p> <p>A. The Company shall not purchase for use and shall not use any fuel having a sulfur content greater than 1.0% by weight in emission units 29-H-101 and in units 29-H-2 through 29-H-9. [Reference Regulation No. 40 CFR 60.401(a)(1) dated 5/9/85].</p> <p>B. The Company shall not burn in any fuel gas cor</p>	<p>i. Compliance Method: [Reference Regulation No. 40 CFR 60.401 dated 11/15/93]</p> <p>A. A Continuous Emissions Monitoring System (CEMS) shall be used to demonstrate compliance with the Standard (B).</p> <p>B. Compliance with Emission Standard A shall be demonstrated by compliance with Compliance Method (A) above.</p>	<p>i. Reporting: None in addition to those listed in Condition 3(c) of this permit.</p> <p>ii. Certification Requirement: None in addition to those listed in Condition 3(c) of this permit.</p>

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Condition 3 - Table 1 (Specific Requirements)

Emission Limitation(s)/Standard(s) and/or Operational Limitation(s)/Standard(s)	Compliance Determination Methodology (Monitoring/Testing, QA/QC Procedures (as applicable) and Record Keeping)	Reporting/Compliance Certification												
device any fuel gas that contains H ₂ S in excess of 1 grain/DSCF on a three hour rolling average. <i>Regulation No. 20, Section 11 dated 11/27/85 and 40 CFR 61.150 dated 10/17/2000</i> .	<div>i. Monitoring/Testing: <i>[Reference Regulation No. 30 Section 6(a)(3)(i) dated 11/15/93]</i> ii. The H₂S content in RFG shall be continuously monitored by CEMS. iii. The H₂S CEMS shall comply with Performance Specifications of 40 CFR 60, Appendix AB@. iv. Quality Assurance requirements for the H₂S CEMS shall be in accordance with the procedures described in 40 CFR Appendix AF@.</div> <div>i. Recordkeeping: The Company shall keep records of all H₂S CEMS calibration, maintenance, quarterly cylinder gas audits and annual accuracy test audits for at least five (5) years. <i>Regulation No. 30 Section 6(a)(3)(ii) dated 11/15/93</i>.</div> <div>i. Compliance Method: <i>[Reference Regulation No. 30 Section 6(a)(3)(ii) dated 11/15/93]</i>. ii. Before every in situ catalyst regeneration, the Company shall submit a monitoring and test protocol, for the Department approval, describing the manner in which compliance will be demonstrated with the Operational Limitation (A). iii. Compliance with the Operational Limitation (B) shall be demonstrated by providing the Department with Piping & Instrumentation Diagrams showing the path of all vent gases to the appropriate stacks. Compliance shall be verified by visual inspection of the unit during in situ regeneration.</div>													
2b. Sulfur Dioxide (SO ₂) i. Operational Limitations: A. During the in situ regeneration of catalyst, SO ₂ emissions from the following catalytic hydrodesulfurizer trains shall not exceed the levels given below: <i>[Reference: APC-81/0877]</i> .		<div>i. Reporting: <i>[Reference Regulation No. 30 Section 6(c)(1) dated 11/15/93]</i> The Company shall comply with the following requirements in addition to those required by Condition 3: A. Notify the Department at least sixty days before a catalyst regeneration B. Compliance test results of SO₂ emissions from each train during the catalyst is being regenerated in situ.</div> <div>i. Certification Requirement: None in addition to those listed in Condition 3(c)(3) of the</div>												
<table><tr><th>Train No.</th><th>Emission Limit (lb/hour)</th></tr><tr><td>1.</td><td>300</td></tr><tr><td>2.</td><td>150</td></tr><tr><td>3.</td><td>160</td></tr><tr><td>4.</td><td>140</td></tr><tr><td>5.</td><td>325</td></tr></table>	Train No.	Emission Limit (lb/hour)	1.	300	2.	150	3.	160	4.	140	5.	325		
Train No.	Emission Limit (lb/hour)													
1.	300													
2.	150													
3.	160													
4.	140													
5.	325													
B. During the in situ regeneration of catalyst, SO ₂ emissions from the following catalytic hydrodesulfurizer train shall not exceed the levels given below: <i>[Reference: APC-81/0873 through APC-81/0877]</i> .	<div>i. Monitoring/Testing: <i>[Reference Regulation No. 30 Section 6(a)(3)(i) dated 11/15/93]</i> SO₂ emissions resulting from in situ catalyst regeneration shall be monitored continuously in accordance with the Department approved protocol described in Compliance Method (A).</div> <div>i. Recordkeeping: <i>[Reference Regulation No. 30 Section 6(a)(3)(ii) dated 11/15/93]</i> The Company shall maintain the following records for at</div>													
<table><tr><th>Train No.</th><th>Point</th><th>Stack Ht. (Feet)</th></tr><tr><td>1.</td><td>29-1</td><td>175</td></tr><tr><td>2.</td><td>29-2</td><td>175</td></tr><tr><td>3.</td><td>29-2</td><td>175</td></tr></table>	Train No.	Point	Stack Ht. (Feet)	1.	29-1	175	2.	29-2	175	3.	29-2	175		
Train No.	Point	Stack Ht. (Feet)												
1.	29-1	175												
2.	29-2	175												
3.	29-2	175												

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Condition 3 - Table 1 (Specific Requirements)

Emission Limitation(s)/Standard(s) and/or Operational Limitation(s)/Standard(s)				Compliance Determination Methodology (Monitoring/Testing, QA/QC Procedures (as applicable) and Record Keeping)	Reporting/Compliance Certification
<u>4.</u>	4	29-3	135	years:	
<u>5.</u>	5	29-4	175	A. Dates and duration of in situ catalyst regene each train B. Compliance test results for SO ₂ emissions data from Compliance Method (A).	
3. Nitrogen Oxides (NO _x)				Compliance Method: [Reference Regulation No. 30 Section 6(a)(3) 11/15/93]	Reporting
I. Emission Standards:				i. For 29-H-101: Compliance demonstration with Emission Sta shall be based on the operation and maintenance of the burners in accordance with the manufacturer=s specificati	None in addition to those listed in Condition 3(c)(2) permit.
A. For 29-H-101: NO _x emissions shall not exceed those by the installation of either low excess air and low NO _x technology or flue gas recirculation technology. [Regulation 12, Section 3.3(a) dated 11/24/93]				i. For Units 29-H-2 through 29-H-9 and 29-H-101: Coi demonstration with Emission Standard (B) sha conducting an annual tune up of each unit by personnel.	i. Certification Requirement: None in addition to those listed in Condition 3(c)(2) permit.
B. For Units 29-H-101 and Units 29-H-2 through 29-H-9: NO _x emissions shall not exceed those achieved th annual tune up performed by qualified personnel. [Regulation 12, Section 3.3(b) dated 11/24/93]				i. Monitoring & Testing: [Reference Regulation No. 30 6(a)(3)(i)(B) dated 11/15/93]	
				i. For Unit 29-H-101: Upon written request of the Dep the Company shall submit a test protocol for perio testing to demonstrate compliance.	
				i. For Units 29-H-2 through 29-H-9 and 29-H-101: addition to the annual tune up required in Compliance (B).	
				i. Record Keeping: [Reference Regulation No. 30 Section 6(a)(3) 11/15/93]	
				he company shall maintain the following records: A. All data and results C. A log of all tune ups performed D. Documentation of qualifications of personnel respo conducting the tune up.	
4. Visible Emissions Standard:				Compliance Method: Compliance shall be demonstrated operation and maintenance of the emission units, monit testing requirements, and record keeping. [Reg. No. 3 6(a)(3) dated 11/ 15/ 93].	Reporting Requirement: All records indicating exceedanc standard in accordance with Condition 3(c)(2).
The Company shall not cause or allow the emission of contaminants and/or smoke from any emission unit, t or appearance of which is greater than twenty (20) opacity for an aggregate of more than three (3) minut one (1) hour or more than fifteen (15) minutes in any				i. Monitoring/ Testing:	i. Certification Requirement: None in addition to Condition

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Emission Limitation(s)/Standard(s) and/or Operational Limitation(s)/Standard(s)	Compliance Determination Methodology (Monitoring/Testing, QA/QC Procedures (as applicable) and Record Keeping)	Reporting/Compliance Certification
four (24) hour period. [Reference Reg. No. 14, Section 7/ 17/ 84].	<p>A. In accordance with Subsection 1.5(c) of Regulation conduct visual observations at fifteen-second interval period of not less than one hour except that the observations may be discontinued whenever a violation of the standard is recorded. The additional procedures, qualification and training shall be used for visually determining the opacity shall be specified in Section 2 & 3 (except for Section 2.5 second sentence of Section 2.4) of Reference Method forth in Appendix A, 40 CFR, Part 60, revised July [Reference Reg. No. 20, Section 1.5(c) dated 12/ 7/ 88].</p> <p>B. Visual observations in accordance with paragraph (A) shall be conducted within one (1) week of the annual [Reference Reg. No. 30 Section 6(a)(3) dated 11/ 15/ 93].</p> <p>C. The Company shall conduct daily qualitative stack observations to determine the presence of any visible emissions when the unit is in operation.</p> <p>1. If visible emissions are observed, the Company shall take corrective actions and/ or conduct a visible observation in accordance with Paragraph (A) above.</p> <p>2. If no visible emissions are observed, no further action is required.</p> <p>d. Record keeping: [Reference Reg. No.30, Section 6(a)(3)(i) 11/ 15/ 93].</p> <p>A. Observation records shall be maintained and made available to the Department upon request.</p> <p>B. Records of all maintenance performed on these units shall be maintained and made available to the Department upon request.</p>	<p>i. Reporting Requirement: In addition to Condition 3(c) of this permit, the Company shall comply with the following reporting requirements:</p> <p>A. A Notification of Compliance Status (NCS) in accordance with 40 CFR 63.152 shall be submitted semi-annually, no later than sixty (60) days after the end of each six (6)</p>
<p>a. Emission Unit 32: Benzene Emissions From Benzene Tanks 331-TC-1, 332-TC-1, 570-TC-10; and the Transfer Facility at the Tetra Unit; and the Transfer Facility (Emission Point 32-1)</p> <p>1. Benzene Emissions: Emission Standards for Unit 32-H-101 when waste is introduced into the flame zone:</p> <p>A. Process heater 32-H-101 shall reduce benzene emissions to an exit concentration of not greater than 20 ppm corrected to 3 percent O₂ during all benzene loadings.</p>	<p>i. Compliance Method: [Reference <u>APC-81/0832</u> and Regulation No. 6(a)(3)(i)(B) dated 11/15/93]</p> <p>A. Compliance with Emission Standard (A) and Opacity Limitation (A) is based upon continuously monitoring the temperature of unit 32-H-101 during all benzene loadings unless the Company is complying with operational limitations.</p>	

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Condition 3 - Table 1 (Specific Requirements)

Emission Limitation(s)/Standard(s) and/or Operational Limitation(s)/Standard(s)	Compliance Determination Methodology (Monitoring/Testing, QA/QC Procedures (as applicable) and Record Keeping)	Reporting/Compliance Certification
<p><i>[Reference: 40 CFR Part 63, Section 63.126(b)(1) dated 1/17/97]</i></p> <p>B. Unit 32-H-101 shall reduce the inlet emissions of total organic emissions from the storage tanks 331-TC-1, 332-TC-1 and 333-TC-1 by 10 by 95 weight percent or greater. <i>[Reference: 40 CFR Part 63, Section 63.119(e) dated 12/14/2000 and 40 CFR Part 63, Section 63.119(e) dated 1/19/97]</i></p> <p>. Operational Limitations:</p> <p>A. Process Heater 32-H-101 shall be the primary control device for benzene vapors displaced from storage vessels during loading operations. The waste vent stream introduced into the flame zone of unit 32-H-101 shall maintain a minimum firebox temperature for each three loading cycle shall not be less than 50°F below 847°F (795°F) which was the average firebox temperature recorded during the performance test at the completion of construction. <i>[Reference: APC-81/0832 Condition 11]</i>.</p> <p>B. As an alternative to Operational Limitation A, the waste vent stream may be introduced with the fuel into the heater 32-H-101 or the alternate control device 2. However, the Company shall not operate either device in the pre-mixed mode of operation except for the purpose of compliance testing prior to completing a test which demonstrates compliance. <i>[Reference: APC-81/0832 Condition 5]</i>.</p> <p>C. The benzene product flow in each loading arm shall be restricted to 155 gallons per minute. <i>[Reference: APC-81/0832 Condition 8]</i>.</p> <p>D. Benzene loading operations shall not be carried out simultaneously in railcars and tanker trucks. <i>[Reference: APC-81/0832 Condition 5]</i>.</p> <p>E. Benzene loading operations may be carried out in accordance with all of the following scenarios:</p> <ol style="list-style-type: none">1. When Process Heater 32-H-101 or 29-H-101 are controlled properly. <i>[Reference: APC-81/0832 Condition 6]</i>.2. When the tanker trucks or railcars have been connected	<p>B. Compliance with Emission Standard (B) shall be demonstrated by conducting a stack test at the normal loading rate to demonstrate that pre-mixing the fuel will result in compliance with the 98% destruction efficiency concentration of 20 ppmvd corrected to 3% O₂. The test shall be conducted with each heater used as a control device.</p> <p>C. Compliance with Operational Limitation (B) shall be demonstrated by conducting a stack test at the normal loading rate to demonstrate that pre-mixing the fuel will result in compliance with the 98% destruction efficiency concentration of 20 ppmvd corrected to 3% O₂. The test shall be conducted with each heater used as a control device.</p> <p>D. Compliance with Operational Limitation (C) shall be demonstrated by flow restrictors sealed by the Division of Weights and Measures.</p> <p>E. Compliance with Operational Limitation (D) shall be determined by maintaining a log of all periods of loading operations for trucks and railcars.</p> <p>F. Compliance with Operational Limitation (E)(1) shall be demonstrated by compliance with Compliance Method (A) above.</p> <p>G. Compliance with Operational Limitation (E)(2) shall be demonstrated by record keeping of a log indicating that a DOT test label is used and valid. <i>[Reference: 40 CFR Part 63, Section 63.130(e) dated 1/17/97]</i>.</p> <p>H. Compliance with Operational Limitation (E)(3) shall be demonstrated by operation of the system according to manufacturer specifications.</p> <p>I. Compliance with Operational Limitation (E)(4) shall be demonstrated by upon record keeping.</p> <p>J. Compliance with Operational Limitation (E)(5) shall be demonstrated by upon record keeping.</p> <p>K. Compliance with Operational Limitation (E)(6) shall be demonstrated by on the LDAR requirement of Table 1.f.b.3.ii and record keeping.</p> <p>L. Compliance with Operational Limitation (E)(7) shall be demonstrated by with 40 CFR 63.127(d)(2).</p> <p>M. Monitoring/Testing Requirement:</p>	<p>period. The six (6) month periods for this facility shall be June 30 and December 31, respectively each year.</p> <p>B. All periods when Unit 29-H-101 is used in place of Unit 32-H-101. This notification may be submitted quarterly.</p> <p>C. Storage vessel reports in accordance with Section 63.119(e) and transfer operations reports in accordance with 63.119(e) of 40 CFR Part 63.</p> <p>D. Results of stack test required to demonstrate compliance with Operational Limitation B.</p> <p><i>[Reference: APC-81/0832 Conditions 13 and 17]</i></p> <p>ii. Certification Requirement: None in addition to Condition 3 of this permit.</p>

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Emission Limitation(s)/Standard(s) and/or Operational Limitation(s)/Standard(s)	Compliance Determination Methodology (Monitoring/Testing, QA/QC Procedures (as applicable) and Record Keeping)	Reporting/Compliance Certification
<p>transfer rack's vapor collection system. [Reference: <u>APC-81/0832</u> Condition 14 and 40 CFR 63.126(e) dated January 17, 1997].</p> <p>3. Each vapor collection system shall be designed and operated so that the organic vapors collected at one loading arm do not pass through another loading arm in the rack atmosphere. [Reference: <u>APC-81/0832</u> Condition No.15]</p> <p>4. For each Group 1 transfer rack the owner or operator shall ensure that organic HAP's into only tank trucks and railcars which:</p> <p>a. Have a current certification in accordance with the U. S. Department of Transportation pressurization requirements of 49 CFR part 180 for tank truck and 49 CFR 173.31 for railcars; or</p> <p>b. Have been demonstrated to be vapor-tight by testing during the preceding 12 months, as determined by the procedures in Sec. 63.128(f) of this subpart. Vapor-tight means that the truck or railcar tank will not show a pressure change of not more than 750 Pa (0.011 psi) per minute after it is pressurized to a minimum of 101 kPa (1.5 psi). [Reference 40 CFR 63.126(e) dated 1/17/97]</p> <p>5. The owner or operator of a transfer rack subject to the provisions of this subpart shall load organic HAP's only in tank trucks or railcars equipped with vapor collection equipment that is compatible with the transfer rack's vapor collection system. [Reference 40 CFR 63.126(f) dated 1/17/97]</p> <p>6. The owner or operator of a transfer rack subject to the provisions of this subpart shall ensure that no pressure relief device in the transfer rack's vapor collection system shall be opened during organic hazardous air pollutants loading equipment operation. A tank truck or railcar shall begin to open during loading only if a pressure relief device needed for safety purposes is subject to this paragraph. [Reference 40 CFR 63.126(f) dated 1/17/97].</p> <p>7. Each valve in the vent system that would divert organic vapors to the atmosphere, either directly or indirectly, shall be secured in a non-diverting position using a car lock-and-key type configuration, or shall be equipped with a flow indicator. Equipment such as low leg drains, h</p>	<p>A. The Company shall continuously monitor the firebox temperature of Unit 32-H-101 during all benzene loading cycles. [Reference: <u>APC-81/0832</u> Condition 11].</p> <p>B. The Company shall conduct leak inspection procedures in accordance with the requirements of 40 CFR 63.148 for storage tanks 331-TC-1, 332-TC-1 and 570-TC-10. [Reference: 40 CFR Section 63.148 dated 1/17/97].</p> <p>C. Conduct compliance stack testing of 32-H-101 and 32-H-102 in accordance with a Department approved method. [Reference Regulation No. 30 Section 6(a)(3)(i)(A) dated 11/15/97].</p> <p>D. Record Keeping: [Reference: <u>APC-81/0832</u> Condition No.12]. In addition to that listed in Condition 3(b)(1)(ii) of this permit, the Company shall maintain the following records:</p> <p>A. Continuous records of the firebox temperature maintained during all benzene loading cycles.</p> <p>B. A log identifying the process heater operating as the process heater device.</p> <p>C. Storage vessel records in accordance with Section 6 of the permit showing all storage tanks at the Tetra unit.</p> <p>D. Log showing periods of tanker truck and railcar loading.</p>	

Condition 3 - Table 1 (Specific Requirements)

Compliance Determination Methodology

(Monitoring/Testing, QA/QC Procedures (as applicable) and Record Keeping)

Reporting/Compliance Certification

Emission Limitation(s)/Standard(s) and/or
Operational Limitation(s)/Standard(s)

bleeds, analyzer vents, open-ended valves or low pressure relief devices needed for safety purposes, subject to this paragraph. [Reference 40 CFR 63.126(i) date

bb. Emission Unit 32: Volatile Organic Compound (VOC) Emissions from Benzene Storage tanks 331-TC-1, 332-TC-1, 570-TC-10; and the Benzene Transfer Facility at the Tetra Unit; and the Transfer Rack (Emission Point 32-1) (Volatile Organic Compounds (VOCs) SOCMH HON Conditions for Equipment Leaks):

3. General Standards:

i. Emission Standard:

A. The provisions apply to the pumps, compressors, and pressure relief devices, sampling connection open-ended valves or lines, valves, control instrumentation systems, and control devices or control systems that operate in HAP service 300 hours during the calendar year. [Reference: 40 CFR 63, Subpart H, '63.160(a), dated 7/1/00.]

B. Service definitions

1. In gas/ vapor service means that a piece of equipment in organic hazardous air pollutant service contains a gas at operating conditions. [Reference: 40 CFR 63, Subpart H, '63.161, dated 7/1/00.]

2. In heavy liquid service means that a piece of equipment in hazardous air pollutant service is not in gas/ vapor service or light liquid service. [Reference: 40 CFR 63, Subpart H, '63.162(a), dated 7/1/00.]

3. In light liquid service means that a piece of equipment in organic hazardous air pollutant service contains a liquid that meets the following conditions:

- The vapor pressure of one or more of the compounds is greater than 0.3 kilopascals at 20 deg.C
- The total concentration of the pure organic compounds having a vapor pressure greater than 0.3 kilopascals at 20 deg.C is equal to or greater than 2 percent by weight of the total process stream, and
- The fluid is a liquid at operating conditions.

i. Compliance Method:

Compliance shall be demonstrated in accordance with monitoring/ testing, and recordkeeping requirements condition.

ii. Monitoring/ Testing:

1. Each piece of equipment in a process unit to which this condition applies shall be identified such that it can be distinguished readily from equipment that is not subject to this condition. Identification of the equipment does not require tagging of the equipment. For example, the equipment may be identified on a plant site plan, in log entries, or by designation of process unit boundaries by some form of weather identification. [Reference: 40 CFR 63, Subpart H, '63.162(b), dated 7/1/00.]

2. Equipment that is in vacuum service is excluded from the requirements of this unit. [Reference: 40 CFR 63, Subpart H, '63.162(d), dated 7/1/00.]

3. When each leak is detected the following requirements shall be met:
1. A weatherproof and readily visible identification, marked with the equipment identification number, shall be attached to the equipment.

2. The identification on a valve may be removed after it is monitored as specified in 40 CFR 63.168(f)(3) and has not been detected during the follow-up monitoring. If the equipment elects to comply using the provisions of 40 CFR 63.174, the identification on a connector may be removed after

i. Reporting Requirement:

A. All records indicating exceedances of the standards in accordance with Conditions 2(b)(9) and 3(c)(1) of this permit.

B. Periodic startup, shutdown, and malfunction reports. The Company shall take the following actions during a startup, shutdown, or malfunction of an affected source (including actions to correct a malfunction) are consistent with the provisions specified in the source's startup, shutdown, and malfunction plan, the Company shall state such information in its startup, shutdown, and malfunction report. Reports shall be required if a startup, shutdown, or malfunction occurs during the reporting period. The startup, shutdown, and malfunction report shall consist of a letter, containing the name, signature of the Company or other responsible official certifying its accuracy, that shall be submitted to the Department semiannually. The startup, shutdown, and malfunction report shall be delivered or postmarked on or before January 22 and July 22 of each year for the periods - November 30 and December 1 - June 31 respectively. The report may be submitted simultaneously with the report required by Section 13(v) of this unit. [Reference: 40 CFR 63, Subpart A, '63.10(d), dated 7/1/00.]

C. Immediate startup, shutdown, and malfunction. Any time an action taken by an Company during a startup, shutdown, or malfunction (including actions to correct a malfunction) is not consistent with the provisions

Condition 3 - Table 1 (Specific Requirements)

Emission Limitation(s)/Standard(s) and/or Operational Limitation(s)/Standard(s)	Compliance Determination Methodology (Monitoring/Testing, QA/QC Procedures (as applicable) and Record Keeping)	Reporting/Compliance Certification
<p><i>[Reference: 40 CFR 63, Subpart H, '63.182(d)(1), dated 7/1/00.]</i></p> <p>Note: Vapor pressures may be determined by the described in 40 CFR 60, Subpart vv, '60.485(e)(7/1/00.</p> <p>i. Operational limitations:</p> <p>A. Operation and maintenance</p> <p>1. At all times, including periods of startup, shutdown, and malfunction, owners or operators shall operate and maintain the affected source, including associated air pollution control equipment, in a manner consistent with good air pollution control practices for minimizing emissions.</p> <p>2. Malfunctions shall be corrected as soon as practicable after their occurrence in accordance with the startup, shutdown, and malfunction plan required in paragraph (B) of this section.</p> <p><i>[Reference: 40 CFR 63, Subpart A, '63.6(e)(1), dated 7/1/00.]</i></p> <p>B. Startup, shutdown, and malfunction plan.</p> <p>1. The Company shall implement a written startup, shutdown, and malfunction plan that describes, in detail, procedures for operating and maintaining the source during periods of startup, shutdown, and malfunction and a program of corrective action to maintain the malfunctioning process and air pollution control equipment to comply with the relevant standard. The purpose of the startup, shutdown, and malfunction plan is to:</p> <p>a. Ensure that, at all times, owners or operators operate and maintain affected sources, including associated air pollution control equipment, in a manner consistent with good air pollution control practices for minimizing emissions;</p> <p>b. Ensure that owners or operators are prepared to correct malfunctions as soon as practicable after their occurrence in order to minimize excess emissions of hazardous air pollutants; and</p> <p>c. Reduce the reporting burden associated with periods of startup, shutdown, and malfunction (including corrective action taken to restore malfunctioning process and air pollution control equipment to its normal or usual manner of operation).</p> <p>2. During periods of startup, shutdown, and malfunction,</p>	<p>monitored as specified in and no leak is detected during the monitoring.</p> <p>3. The identification which has been placed on equipment determined to have a leak, except for a valve or for a component that is subject to the provisions of Section 11(iii)(C)(1)(a), shall be removed after it is repaired.</p> <p><i>[Reference: 40 CFR 63, Subpart H, '63.162(f), dated 7/1/00.]</i></p> <p>4. Determination of whether acceptable operation and maintenance procedures are being used will be based on information available to the Administrator which may include, but is not limited to, monitoring results, review of operation and maintenance procedures (including the startup, shutdown, and malfunction plan required in paragraph (ii)(B) of this section), review of operation and maintenance records, and inspection of the source. <i>[Reference: 40 CFR 63, Subpart H, '63.162(f), dated 7/1/00.]</i></p> <p>5. Recordkeeping</p> <p>a. All records and information required by this section shall be maintained in a manner that can be readily accessed at the plant site. <i>[Reference: Regulation 30, Section 6(a)(1), dated 11/15/93]</i></p> <p>b. The Company shall keep records of monitoring results, operation and maintenance procedures, operation and maintenance records for this unit. <i>[Reference: 40 CFR 63, Subpart A, '63.6(e)(2), dated 7/1/00.]</i></p> <p>c. The Company shall keep the written startup, shutdown, and malfunction plan available for inspection, upon request, by the Administrator for the life of the source. In addition, the startup, shutdown, and malfunction plan is revised, the Company shall keep previous (i.e., superseded) versions of the startup, shutdown, and malfunction plan on record and made available for inspection, upon request, by the Administrator, for a period of 5 years after each revision. <i>[Reference: 40 CFR 63, Subpart A, '63.6(e)(3), dated 7/1/00.]</i></p> <p>d. General recordkeeping requirements.</p> <p>1. The Company of an affected source subject to the provisions of this permit shall be monitored as specified in and no leak is detected during the monitoring.</p>	<p>procedures specified in the affected source's startup, shutdown, and malfunction plan, the Company shall report the actions taken for that event within 2 working days after the event, that commencing actions inconsistent with the plan for that event, in a letter within 7 working days after the end of the event. The immediate report required under this paragraph shall consist of a telephone call (or facsimile (FAX) transmission) to the Department within 2 working days after the event, that commencing actions inconsistent with the plan, and be followed by a letter, delivered or postmarked within 7 working days after the end of the event, that contains the name, title, and signature of the Company's responsible official who is certifying its accuracy, the circumstances of the event, the reasons for the event, whether any excess emissions and/or permit monitoring exceedances are believed to have occurred, and the actions taken to correct the event. <i>[Reference: 40 CFR 63, Subpart A, '63.10(d), dated 7/1/00.]</i></p> <p>ii. Compliance Certification:</p> <p>None in addition to that required by Condition 3(c) of this permit.</p>

Condition 3 - Table 1 (Specific Requirements)

Emission Limitation(s)/Standard(s) and/or Operational Limitation(s)/Standard(s)	Compliance Determination Methodology (Monitoring/Testing, QA/QC Procedures (as applicable) and Record Keeping)	Reporting/Compliance Certification
<p>Company of an affected source shall operate and maintain the source (including associated air pollution control equipment) in accordance with the procedures specified in the shutdown, and malfunction plan developed under paragraph (B)(1) of this section.</p> <p>3. When actions taken by the Company during a shutdown, or malfunction (including actions taken to prevent or minimize a malfunction) are consistent with the procedures specified in the affected source's startup, shutdown, and malfunction plan, the Company shall keep records for that event that demonstrate the procedures specified in the plan were followed. The records may take the form of a Checklist, or other form of recordkeeping, that confirms conformance with the startup, shutdown, and malfunction plan for that event. The Company shall confirm that actions taken during the reporting period during periods of startup, shutdown, or malfunction were consistent with the startup, shutdown, or malfunction plan in the semiannual startup, shutdown, or malfunction report required in 40 CFR 63.10(d)(5).</p> <p>4. To satisfy the requirements of this section to develop a startup, shutdown, and malfunction plan, the Company shall develop the affected source's standard operating procedure manual, or an Occupational Safety and Health Administration (OSHA) or other plan, provided the alternative plans satisfy the requirements of this section and are made available for inspection when requested by the Administrator.</p> <p>5. Based on the results of a determination made under paragraph 63.6(e)(2) of this section, the Department may require the Company of an affected source make changes to the startup, shutdown, and malfunction plan for that source. The Department may require reasonable revisions to a startup, shutdown, or malfunction plan, if the Department finds that the plan:</p> <ul style="list-style-type: none">a. Does not address a startup, shutdown, or malfunction event that has occurred;b. Fails to provide for the operation of the source (including associated air pollution control equipment) during a startup, shutdown, or malfunction event in a manner consistent with this part shall maintain files of all information (including measurements and notifications) required by this section recorded in a suitable and readily available form for expeditious inspection at the source. The files shall be retained for at least 5 years following the last occurrence, measurement, maintenance, corrective action, report, or record. Such files may be maintained on microfilm, computer, on computer floppy disks, on magnetic tape, or on microfiche.	<p>2. The Company of an affected source subject to the provisions of this part shall maintain relevant records for such source:</p> <ul style="list-style-type: none">a. The occurrence and duration of each startup, shutdown, or malfunction of operation (i.e., process equipment);b. The occurrence and duration of each malfunction of air pollution control equipment;c. All maintenance performed on the air pollution control equipment;d. Actions taken during periods of startup, shutdown, or malfunction (including corrective actions to return the malfunctioning process and air pollution control equipment to normal or usual manner of operation) when such actions differ from the procedures specified in the affected source's startup, shutdown, and malfunction plan;e. All information necessary to demonstrate conformance with the affected source's startup, shutdown, and malfunction plan when all actions taken during periods of startup, shutdown, or malfunction (including corrective actions to return the malfunctioning process and air pollution control equipment to normal or usual manner of operation) are consistent with the procedures specified in such plan. (The information required to demonstrate conformance with the startup, shutdown, or malfunction plan may be recorded using a Checklist, or other effective form of recordkeeping, in order to minimize recordkeeping burden for conforming events);f. Each period during which a CMS is malfunctioning or inoperative (including out-of-control periods);g. All required measurements needed to demonstrate conformance with a relevant standard (including, but not limited to, measurements of emissions, process parameters, and ambient air quality).	

Condition 3 - Table 1 (Specific Requirements)

Emission Limitation(s)/Standard(s) and/or Operational Limitation(s)/Standard(s)	Compliance Determination Methodology (Monitoring/Testing, QA/QC Procedures (as applicable) and Record Keeping)	Reporting/Compliance Certification
<p>good air pollution control practices for minimizing emissions. Does not provide adequate procedures for a malfunctioning process and/or air pollution control equipment as quickly as practicable.</p> <p>6. If the startup, shutdown, and malfunction plan fails to or inadequately addresses an event that meets the characteristics of a malfunction but was not included in the startup, shutdown, and malfunction plan at the time the Company developed the plan, the Company shall revise the startup, shutdown, and malfunction plan within 45 days of the event to include detailed procedures for operation and maintaining the source during similar malfunction events and a program of corrective action for similar malfunctions on the source or air pollution control equipment.</p> <p>[Reference: 40 CFR 63, Subpart A, '63.6(e)(3), dated 7/1/93.]</p> <p>2. Pumps in Light Liquid Service.</p> <p>i. Emission Standard: The Company shall monitor and repair each pump that leaks liquid service according to the provisions of this condition.</p> <p>[Reference: 40 CFR 63, Subpart H, '63.163(a), dated 7/1/93.]</p>	<p>performance testing measurements, and raw performance evaluation measurements, that support data that the Company is required to report);</p> <p>h. All results of performance tests, and opacity and emission observations;</p> <p>i. All measurements as may be necessary to determine the conditions of performance tests and performance evaluation;</p> <p>j. All documentation supporting notifications of compliance.</p> <p>[Reference: 40 CFR 63, Subpart A, '63.10(b), dated 7/1/00.]</p> <p>Compliance Method: Compliance shall be demonstrated in accordance with the monitoring/ testing, and recordkeeping requirements of this condition. [Reference: Regulation 30, Section 6(a)(1) of 11/15/93.]</p> <p>i. Monitoring/ Testing: The Company of a process unit subject to this subpart shall monitor each pump monthly to detect leaks by the methods specified in 40 CFR 63, Subpart H, '63.180(b), dated 7/1/93, shall comply with the requirements of paragraphs (A) through (C) of this section, except as provided in paragraphs (D) through (H) of this section.</p> <p>1. The instrument reading, as determined by the methods specified in 40 CFR 63.180(b), that defines a leak rate in parts per million.</p> <p>2. Each pump shall be checked by visual inspection each calendar week for indications of liquids dripping from the seal. If there are indications of liquids dripping from the seal, a leak is detected.</p> <p>[Reference: 40 CFR 63, Subpart H, '63.163(b), dated 7/1/93.]</p> <p>ii. Leak Repair</p>	<p>Reporting: A. All records indicating exceedances of the standards in accordance with Conditions 2(b)(9) and 3(c)(2) of this permit. B. Other reporting requirements are covered under section 3(c)(3) of this permit.</p> <p>i. Compliance Certification: None in addition to that required by Condition 3(c)(3) of this permit.</p>

Condition 3 - Table 1 (Specific Requirements)

Emission Limitation(s)/Standard(s) and/or Operational Limitation(s)/Standard(s)	Compliance Determination Methodology (Monitoring/Testing, QA/QC Procedures (as applicable) and Record Keeping)	Reporting/Compliance Certification
	<p>1. When a leak is detected, it shall be repaired as practicable, but not later than 15 calendar days after the leak is detected, except as provided in '63.163(C)(3) or See this unit.</p> <p>2. A first attempt at repair shall be made no later than 15 calendar days after the leak is detected. First attempts include, but are not limited to, the following practices:</p> <ul style="list-style-type: none">a. Tightening of packing gland nuts.b. Ensuring that the seal flush is operating at design and temperature. <p>3. Repair is not required unless an instrument reading parts per million or greater is detected at the pump.</p> <p><i>[Reference: 40 CFR 63, Subpart H, '63.163(c), dated 7/1/00.]</i></p>	
	<p>.. Pump Quality Improvement</p> <p>1. If calculated on a 6-month rolling average, the percentage of pumps in a process unit or the number of pumps in a process unit leaking, the Company shall implement a pump quality improvement program for pumps that complies with the requirements of 40 CFR 63, Subpart H, '63.177/1/00.</p> <p>2. The number of pumps at a process unit shall be the total number of pumps in organic HAP service, except that pumps that are leaking in a continuous process unit within 1 month of start-up of the pump shall not count in the percent leaking pumps calculation for that one monitoring period only.</p> <p>3. Percent leaking pumps shall be determined by the following equation.</p> $\%P_L = ((P_L - P_S) / (P_T - P_S)) \times 100$ <p>where,</p> <p>$\%P_L$ = Percent leaking pumps</p> <p>P_L = Number of pumps found leaking</p> <p>P_T = Total number of pumps in organic HAP service, including those meeting the criteria of paragraphs (D) and (E) of this section.</p> <p>P_S = Number of pumps leaking within 1 month of start-up during the current monitoring period.</p>	

Condition 3 - Table 1 (Specific Requirements)

Emission Limitation(s)/Standard(s) and/or Operational Limitation(s)/Standard(s)	Compliance Determination Methodology (Monitoring/Testing, QA/QC Procedures (as applicable) and Record Keeping)	Reporting/Compliance Certification
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[Reference: 40 CFR 63, Subpart H, '63.163(d), dated 7/

- i). Each pump equipped with a dual mechanical seal system includes a barrier fluid system is exempt from requirements of paragraphs (A) through (C) of this provided the following requirements are met:
 1. Each dual mechanical seal system is:
 - a. Operated with the barrier fluid at a pressure that is greater than the pump stuffing box pressure;
 - b. Equipped with a barrier fluid degassing reservoir routed to a process or fuel gas system or connected to a closed-vent system to a control device that complies with the requirements of Section 10 of this unit; or
 - c. Equipped with a closed-loop system that purges the barrier fluid into a process stream.
 2. The barrier fluid is not in light liquid service.
 3. Each barrier fluid system is equipped with a sensor to detect failure of the seal system, the barrier fluid system, or both.
 4. Each pump is checked by visual inspection each week for indications of liquids dripping from the pump:
 - a. If there are indications of liquids dripping from the seal at the time of the weekly inspection, the pump is monitored as specified in 40 CFR 63, Subpart H, '63.163(d), dated 7/ 1/ 00 to determine if there is a leak of organic vapor in the barrier fluid.
 - b. If an instrument reading of 1,000 parts per million or greater is measured, a leak is detected.
 5. Each sensor as described in paragraph (D)(3) of this condition is observed daily or is equipped with an alarm.
 6. Other leak determinations
 - a. The Company determines, based on design considerations and operating experience, criteria applicable to the location and frequency of drips and to the sensor that indicates a leak of the seal system, the barrier fluid system, or both.
 - b. If indications of liquids dripping from the pump exceed the criteria established in paragraph (D)(6)(a) of this condition or if, based on the criteria established in paragraph (

Condition 3 - Table 1 (Specific Requirements)

Emission Limitation(s)/Standard(s) and/or Operational Limitation(s)/Standard(s)	Compliance Determination Methodology (Monitoring/Testing, QA/QC Procedures (as applicable) and Record Keeping)	Reporting/Compliance Certification
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of this section, the sensor indicates failure of the sea barrier fluid system, or both, a leak is detected c. When a leak is detected, it shall be repaired as practicable, but not later than 15 calendar days after detected, except as provided in Section 9 of this rule. d. A first attempt at repair shall be made no later than 15 calendar days after each leak is detected.

[Reference: 40 CFR 63, Subpart H, '63.163(e), dated 7/1/00.]

- i. Any pump that is designed with no externally actuated valves penetrating the pump housing is exempt from the requirements of paragraphs (A) and (B) of this section.

[Reference: 40 CFR 63, Subpart H, '63.163(f), dated 7/1/00.]

- j. Any pump equipped with a closed-vent system capable of capturing and transporting any leakage from the sea to a process or to a fuel gas system or to a control device that complies with the requirements of Section 10 of this rule is exempt from the requirements of paragraphs (A) through (C) of this section. [Reference: 40 CFR 63, Subpart H, '63.163(g), dated 7/1/00.]

- k. If more than 90 percent of the pumps at a process unit meet the criteria in either paragraph (D) or (E) of this section, the process unit is exempt from the requirements of paragraph (F) of this section. [Reference: 40 CFR 63, Subpart H, '63.163(h), dated 7/1/00.]

- l. Any pump that is designated, as described in paragraph (F) of this section, as an unsafe-to-monitor pump is exempt from the requirements of paragraphs (A) through (D) of this section if:

1. The Company of the pump determines that the pump is unsafe to monitor because monitoring personnel would be exposed to an immediate danger as a consequence of not complying with paragraphs (A) through (C) of this section.
2. The Company of the pump has a written plan that requires monitoring of the pump as frequently as practicable, safe-to-monitor times, but not more frequently than the periodic monitoring schedule otherwise applicable.

[Reference: 40 CFR 63, Subpart H, '63.163(j), dated 7/1/00.]

- m. Recordkeeping

Condition 3 - Table 1 (Specific Requirements)

Emission Limitation(s)/Standard(s) and/or Operational Limitation(s)/Standard(s)	Compliance Determination Methodology (Monitoring/Testing, QA/QC Procedures (as applicable) and Record Keeping)	Reporting/Compliance Certification
	<ul style="list-style-type: none">l. All records and information required by this section maintained in a manner that can be readily accessed at the plant site. <i>[Reference: 40 CFR 63, Subpart H, '63.181 7/ 1/ 00.]</i>i. The following information pertaining to all equipment process unit subject to this section shall be recorded<ul style="list-style-type: none">1. A list of identification numbers for equipment that the elects to equip with a closed-vent system and controls under the provisions of paragraph (iii)(F) of this section3. The following information shall be recorded for a mechanical seal system:<ul style="list-style-type: none">a. Design criteria required in paragraph (iii)(D)(6)(section and an explanation of the design criteria; ab. Any changes to these criteria and the reason changes.2. The following information pertaining to all pumps subject provisions of paragraph (iii)(H) of this section shall be<ul style="list-style-type: none">a. Identification of equipment designated as unsafe to difficult to monitor, or unsafe to inspect and the monitoring or inspecting this equipment.b. A list of identification numbers for the equipment designated as difficult to monitor, an explanation of equipment is difficult to monitor, and the planned self monitoring this equipment.c. A list of identification numbers for connectors designated as unsafe to repair and an explanation of connector is unsafe to repair.<i>[Reference: 40 CFR 63, Subpart H, '63.181(b), dated 7/ 1/ 00.]</i>j. For visual inspections of equipment subject to the provisions of this section, the Company shall document that the inspection was conducted and the date of the inspection. The Company shall maintain records as specified in paragraph (C) of this section for leaking equipment identified in this inspection. <i>[Reference: 40 CFR 63, Subpart H, '63.181(c), dated 7/ 1/ 00.]</i>k. When a leak is detected, information shall be recorded and kept for 5 years as required by Section 12(iv)(C) of this permit. <i>[Reference: 40 CFR Part 63, Subpart 63.181(d), dated 7/ 1/ 00.]</i>	

Condition 3 - Table 1 (Specific Requirements)

Emission Limitation(s)/Standard(s) and/or Operational Limitation(s)/Standard(s)	Compliance Determination Methodology (Monitoring/Testing, QA/QC Procedures (as applicable) and Record Keeping)	Reporting/Compliance Certification
<p>3. Compressors: Operational Limitations</p> <p>A. Each compressor shall be equipped with a seal system that prevents leakage of process fluid to the atmosphere, except as provided in paragraphs (iii)(E) and (iii)(F) of this section. [Reference: 40 CFR 63, Subpart H, '63.164(a), dated 7/1/00.]</p> <p>B. Each compressor seal system as required in paragraph A of this section shall be:</p> <ol style="list-style-type: none">1. Operated with the barrier fluid at a pressure not greater than the compressor stuffing box pressure;2. Equipped with a barrier fluid system degassing that is routed to a process or fuel gas system or controlled by a closed-vent system to a control device that complies with the requirements of Section 10 of this unit;3. Equipped with a closed-loop system that purges the barrier fluid directly into a process stream. <p>[Reference: 40 CFR 63, Subpart H, '63.164(b), dated 7/1/00.]</p> <p>C. The barrier fluid shall not be in light liquid service. [Reference: 40 CFR 63, Subpart H, '63.164(c), dated 7/1/00.]</p>	<p>i. Compliance Method: Compliance shall be demonstrated in accordance with the monitoring/ testing, and recordkeeping requirements of this condition. [Reference: Regulation 30, Section 6(a)(1)(i)(15/93).]</p> <p>ii. Monitoring/ Testing:</p> <p>1. Each barrier fluid system as described in paragraph A of this section shall be equipped with a system that will detect failure of the seal system, barrier fluid leakage or both. [Reference: 40 CFR 63, Subpart H, '63.164(d)(15/00).]</p> <p>iii. Leak Observations</p> <ol style="list-style-type: none">1. Each sensor as required in paragraph (A) of this section shall be observed daily or shall be equipped with an automatic monitoring system.2. The Company shall determine, based on engineering considerations and operating experience, a criterion that indicates failure of the seal system, the barrier fluid leakage or both. <p>[Reference: 40 CFR 63, Subpart H, '63.164(e), dated 7/1/00.]</p> <p>iv. If the sensor indicates failure of the seal system, the barrier fluid system, or both based on the criterion determined in paragraph (B)(2) of this section, a leak is detected. [Reference: 40 CFR 63, Subpart H, '63.164(f), dated 7/1/00.]</p> <p>v. Leak Repair</p> <ol style="list-style-type: none">1. When a leak is detected, it shall be repaired as soon as practicable, but not later than 15 calendar days after the leak is detected, except as provided in Section 9 of this unit.2. A first attempt at repair shall be made no later than 15 calendar days after each leak is detected. <p>[Reference: 40 CFR 63, Subpart H, '63.164(g), dated 7/1/00.]</p> <p>vi. A compressor is exempt from the requirements of this condition if it is equipped with a closed-vent system that captures and transports leakage from the compressor drive shaft seal to a process or a fuel gas system or to a control device that complies with the requirements of Section 10 of this unit. [Reference: 40 CFR 63, Subpart H, '63.164(h), dated 7/1/00.]</p>	<p>i. Reporting:</p> <ol style="list-style-type: none">A. All records indicating exceedances of the standards shall be maintained in accordance with Conditions 2(b)(9) and 3(c)(2) of this permit.B. Other reporting requirements are covered under section 3(c)(3) of this permit. <p>ii. Compliance Certification: None in addition to that required by Condition 3(c)(3) of this permit.</p>

Condition 3 - Table 1 (Specific Requirements)

Emission Limitation(s)/Standard(s) and/or Operational Limitation(s)/Standard(s)	Compliance Determination Methodology (Monitoring/Testing, QA/QC Procedures (as applicable) and Record Keeping)	Reporting/Compliance Certification
	<ul style="list-style-type: none">. Any compressor that is designated, as described in paragraph (iv)(B)(2) of this unit, to operate with an instrument reading less than 500 parts per million above background, is subject to the requirements of this section if the compressor:<ul style="list-style-type: none">1. Is demonstrated to be operating with an instrument reading less than 500 parts per million above background, as determined by the method specified in 40 CFR 63, Subpart H, '63.164(i), dated 7/1/00; and2. Is tested for compliance with paragraph (F)(1) of this section initially upon designation, annually, and at other times specified by the Department.<p>[Reference: 40 CFR 63, Subpart H, '63.164(i), dated 7/1/00.]</p>i. Recordkeepingl. All records and information required by this section shall be maintained in a manner that can be readily accessed at the plant site. [Reference: 40 CFR 63, Subpart H, '63.181(b), dated 7/1/00.]i. The following information pertaining to all equipment in the process unit subject to this section shall be recorded:<ul style="list-style-type: none">1. A list of identification numbers for equipment that the Company elects to equip with a closed-vent system and controls under the provisions of paragraph (iii)(E) of this section2. A list of identification numbers for compressors that the Company elects to designate as operating with an instrument reading of less than 500 parts per million above background under the provisions of paragraph (iii)(F) of this section3. The following information shall be recorded for each mechanical seal system:<ul style="list-style-type: none">a. Design criteria required in paragraph (iii)(B)(2) of this section and an explanation of the design criteria; ab. Any changes to these criteria and the reason for the changes.<p>[Reference: 40 CFR 63, Subpart H, '63.181(b), dated 7/1/00.]</p>C. When a leak is detected, information shall be recorded for 5 years as required by Section 12(iv)(C) of this part. [Reference: 40 CFR Part 63, Subpart 63.181(d), dated 7/1/00.]i. The dates and results of each compliance test required	

Condition 3 - Table 1 (Specific Requirements)

Emission Limitation(s)/Standard(s) and/or Operational Limitation(s)/Standard(s)	Compliance Determination Methodology (Monitoring/Testing, QA/QC Procedures (as applicable) and Record Keeping)	Reporting/Compliance Certification
<p>4. Pressure Relief Devices in Gas/Vapor Service.</p> <p>i. Emission Standard</p> <p>Except during pressure releases, each pressure relief gas/ vapor service shall be operated with an instrument of less than 500 parts per million above background as provided in paragraph (iii)(B) of this section, as measured by the method specified in 40 CFR 63, Subpart H, '63.181(f), dated 7/1/00. [Reference: 40 CFR 63, Subpart H, '63.181(f), dated 7/1/00.]</p>	<p>compressors subject to the provisions in paragraph this section. The results shall include:</p> <p>1. The background level measured during each compliance test.</p> <p>2. The maximum instrument reading measured at each equipment during each compliance test.</p> <p>[Reference: 40 CFR 63, Subpart H, '63.181(f), dated 7/1/00.]</p> <p>.. Compliance Method:</p> <p>Compliance shall be demonstrated in accordance with monitoring/ testing, and recordkeeping requirements condition. [Reference: Regulation 30, Section 6(a)(1), dated 11/15/93.]</p> <p>i. Monitoring/ Testing:</p> <p>.. Reseating Valves</p> <p>1. After each pressure release, the pressure relief device shall be returned to a condition indicated by an instrument of less than 500 parts per million above background, as practicable, but no later than 5 calendar days after pressure release, except as provided in Section 9 of this section.</p> <p>2. No later than 5 calendar days after the pressure relief device being returned to organic HAP service, the pressure relief device shall be monitored to confirm the condition indicated by an instrument reading of less than 500 parts per million above background, as measured by the method specified in 40 CFR 63, Subpart H, '63.180(c), dated 7/1/00.</p> <p>[Reference: 40 CFR 63, Subpart H, '63.165(b), dated 7/1/00.]</p> <p>pressure relief device that is routed to a process or system or equipped with a closed-vent system capable of capturing and transporting leakage from the pressure relief device to a control device as described in Section 10 of this section. [Reference: 40 CFR 63, Subpart H, '63.165(b), dated 7/1/00.]</p> <p>.. Rupture Disks</p> <p>1. Any pressure relief device that is equipped with a rupture disk upstream of the pressure relief device is exempt from the requirements of paragraphs (i) and (iii)(A), provided the</p>	<p>.. Reporting:</p> <p>A. All records indicating exceedances of the standards shall be maintained in accordance with Conditions 2(b)(9) and 3(c)(2) of this permit.</p> <p>B. Other reporting requirements are covered under section 3(c)(3) of this permit.</p> <p>i. Compliance Certification:</p> <p>None in addition to that required by Condition 3(c)(3) of this permit.</p>

Condition 3 - Table 1 (Specific Requirements)

Emission Limitation(s)/Standard(s) and/or Operational Limitation(s)/Standard(s)	Compliance Determination Methodology (Monitoring/Testing, QA/QC Procedures (as applicable) and Record Keeping)	Reporting/Compliance Certification
<p>5. Sampling Connection Systems.</p> <p>i. Operational Standards</p> <p>A. Each sampling connection system shall be equipped with a closed-purge, closed-loop, or closed-vent system that prevents process fluid from being displaced during filling of the sample container or from being required to be collected or captured. [Reference: 40 CFR 63.166(a), dated 7/1/00.]</p> <p>B. Each closed-purge, closed-loop, or closed-vent system required in paragraph (A) of this section shall:</p> <ol style="list-style-type: none">1. Return the purged process fluid directly to the process.2. Collect and recycle the purged process fluid to a process control device that complies with the requirements in paragraph (C)(2).3. Be designed and operated to capture and transport the purged process fluid to a control device that complies with the requirements in paragraph (C)(2).	<p>complies with the requirements in paragraph (C)(2).</p> <p>2. After each pressure release, a rupture disk shall be installed upstream of the pressure relief device as soon as practicable, no later than 5 calendar days after each pressure release as provided in Section 9 of this unit.</p> <p>[Reference: 40 CFR 63, Subpart H, '63.165(d), dated 7/1/00.]</p> <p>i. Recordkeeping</p> <p>A. All records and information required by this section shall be maintained in a manner that can be readily accessed at the plant site. [Reference: 40 CFR 63, Subpart H, '63.181(b), dated 7/1/00.]</p> <p>B. The following information pertaining to all equipment at each process unit subject to this section shall be recorded:</p> <ol style="list-style-type: none">1. A list of identification numbers for equipment that the Company elects to equip with a closed-vent system as required by paragraph (iii)(B) of this section.2. A list of identification numbers for pressure relief devices equipped with rupture disks, under the provisions of paragraph (iii)(A) of this section. <p>[Reference: 40 CFR 63, Subpart H, '63.181(b), dated 7/1/00.]</p> <p>ii. When a leak is detected, information shall be recorded and kept for 5 years as required by section 12(C) of this part. [Reference: 40 CFR 63, Subpart H, '63.181(d), dated 7/1/00.]</p> <p>j. Compliance Method:</p> <p>Compliance shall be demonstrated in accordance with the monitoring/ testing, and recordkeeping requirements of this condition. [Reference: Regulation 30, Section 6(a)(1), dated 11/15/93.]</p> <p>i. Monitoring/ Testing:</p> <p>None</p> <p>i. Recordkeeping</p> <p>A. All records and information required by this section shall be maintained in a manner that can be readily accessed at the plant site. [Reference: 40 CFR 63, Subpart H, '63.181(b), dated 7/1/00.]</p>	<p>j. Reporting:</p> <p>A. All records indicating exceedances of the standards shall be maintained in accordance with Conditions 2(b)(9) and 3(c)(2) of this permit.</p> <p>B. Other reporting requirements are covered under section 12 of this permit.</p> <p>i. Compliance Certification:</p> <p>None in addition to that required by Condition 3(c)(2) of this permit.</p>

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Emission Limitation(s)/Standard(s) and/or Operational Limitation(s)/Standard(s)	Compliance Determination Methodology (Monitoring/Testing, QA/QC Procedures (as applicable) and Record Keeping)	Reporting/Compliance Certification
<p>requirements of Section 10 of this unit; or</p> <p>4. Collect, store, and transport the purged process system or facility identified in paragraph (B)(4)(a), (I) of this section.</p> <p>a. A waste management unit, as defined in 40 Subpart G, '63.111, dated 7/1/00, if the management unit is subject to, and operated in accordance with the provisions of subpart G applicable to wastewater streams. If the purged process fluid contain any organic HAP listed in Table 9 of subpart G, the waste management unit need not be subject to the requirements of subpart G, but must be operated in compliance with the requirements of part 63, subpart G applicable to group 1 wastewater streams provided the facility has an NPDES permit to discharge the wastewater to an NPDES permitted facility.</p> <p>b. A treatment, storage, or disposal facility subject to regulation under 40 CFR parts 262, 264, 265, or 266, dated 7/1/00; or</p> <p>c. A facility permitted, licensed, or registered to manage municipal or industrial solid waste, if the waste is not hazardous waste as defined in 40 CFR part 261, dated 7/1/00.</p>	<p><i>7/1/00.]</i></p> <p>B. When a leak is detected, information shall be recorded and maintained for a period of 5 years as required by section 12(C) of this unit. <i>[Reference: 40 CFR 63, Subpart H, '63.181(d), dated 7/1/00.]</i></p>	
<p><i>[Reference: 40 CFR 63, Subpart H, '63.166(b), dated 7/1/00.]</i></p> <p>C. In-situ sampling systems and sampling systems that are exempt from the requirements of Operational Standards (A) and (B). <i>[Reference: 40 CFR 63, Subpart H, dated 7/1/00.]</i></p>	<p>Compliance Method: Compliance shall be demonstrated in accordance with the monitoring/testing, and recordkeeping requirements of this condition. <i>[Reference: Regulation 30, Section 6(a)(3), dated 11/1/00.]</i></p>	<p>Reporting: A. All records indicating exceedances of the standards in accordance with Conditions 2(b)(9) and 3(c)(2) of this permit. B. Other reporting requirements are covered under section 12 of this permit.</p>
<p>6. Open-ended Valves or Lines.</p> <p>Operational Standard</p> <p>A. Equipment Requirements</p> <p>1. Each open-ended valve or line shall be equipped with a cap, blind flange, plug, or a second valve, as provided in Operational Standards (D) and (E).</p> <p>2. The cap, blind flange, plug, or second valve shall be maintained in a closed position at all times except during operations that require process fluid flow through the open-ended valve or line for maintenance or repair.</p>	<p>i. Monitoring/Testing: None.</p> <p>j. Recordkeeping All records and information required by this section</p>	<p>i. Compliance Certification: None in addition to that required by Condition 3(c)(2) of this permit.</p>

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Emission Limitation(s)/Standard(s) and/or Operational Limitation(s)/Standard(s)	Compliance Determination Methodology (Monitoring/Testing, QA/QC Procedures (as applicable) and Record Keeping)	Reporting/Compliance Certification
<p><i>[Reference: 40 CFR 63, Subpart H, '63.167(c) 7/1/00]</i></p> <p>B. Each open-ended valve or line equipped with a second valve shall be operated in a manner such that the valve on the process fluid end is closed before the second valve is opened. <i>[Reference: 40 CFR 63, Subpart H, '63.167(b), dated 7/1/00]</i></p> <p>C. When a double block and bleed system is being used, a bleed valve or line may remain open during operation. Such systems require venting the line between the block valves. All systems must comply with Operational Standard (A) at all other times. <i>[Reference: 40 CFR 63, Subpart H, '63.167(c), dated 7/1/00]</i></p> <p>D. Open-ended valves or lines in an emergency shutdown system which are designed to open automatically in the event of a process upset are exempt from the requirements of Operational Standards (A), (B) and (C). <i>[Reference: 40 CFR 63, Subpart H, '63.167(d), dated 7/1/00]</i></p> <p>E. Open-ended valves or lines containing materials which do not autocatalytically polymerize or, would present an explosion or serious overpressure, or other safety hazard if closed, and are equipped with a double block and bleed system as required in Operational Standards (A) through (C) are exempt from the requirements of Operational Standards (A) through (C). <i>[Reference: 40 CFR 63, Subpart H, '63.167(e), dated 7/1/00]</i></p> <p>7. Valves in Gas/Vapor Service and in Light Liquid Service.</p> <p>i. Emission Standard</p> <p>The Company shall monitor and repair valves that are in gas service or in light liquid service according to the requirements of this section. <i>[Reference: 40 CFR 63, Subpart H, '63.167(f), dated 7/1/00]</i></p>	<p>maintained in a manner that can be readily accessed at the plant site. <i>[Reference: 40 CFR 63, Subpart H, '63.181(a), dated 7/1/00]</i></p> <p>. Compliance Method:</p> <p>Compliance shall be demonstrated in accordance with the monitoring/ testing, and recordkeeping requirements of this condition. <i>[Reference: Regulation 30, Section 6(a)(1) 11/ 15/ 93]</i></p> <p>i. Monitoring/ Testing:</p> <p>u. The Company of a source subject to this subpart shall monitor all valves, except as provided in paragraphs (F) and (G) of this section, at the intervals specified in paragraph (B) of this section and shall comply with all other provisions of this section, except as provided in Section 9 of this unit.</p> <p>1. The valves shall be monitored to detect leaks by the methods specified in 40 CFR 63, Subpart H, '63.180(b), dated 7/1/00.</p> <p>2. The instrument reading that defines a leak in each</p>	<p>. Reporting:</p> <p>A. All records indicating exceedances of the standards in accordance with Conditions 2(b)(9) and 3(c)(2) of this permit.</p> <p>B. Other reporting requirements are covered under section 3(c)(2) of this permit.</p> <p>i. Compliance Certification:</p> <p>None in addition to that required by Condition 3(c)(2) of this permit.</p>

Condition 3 - Table 1 (Specific Requirements)

Emission Limitation(s)/Standard(s) and/or Operational Limitation(s)/Standard(s)	Compliance Determination Methodology (Monitoring/Testing, QA/QC Procedures (as applicable) and Record Keeping)	Reporting/Compliance Certification
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the standard is 500 parts per million or greater.

[Reference: 40 CFR 63, Subpart H, '63.168(b), dated 7/

- i. The Company shall monitor valves for leaks at the specified below:

1. At process units with 2 percent or greater leaking valves, the Company shall monitor each valve once per month or implement a Quality Improvement program for valves that comply with the requirements of '63.175(d) and (e) and monitor on a quarterly basis.

2. At process units with less than 2 percent leaking valves, the Company shall monitor each valve once each quarter, or more frequently if required by the standards provided in paragraphs (B)(3) and (B)(4) of this section.

3. At process units with less than 1 percent leaking valves, the Company may elect to monitor each valve once every 2 months.

4. At process units with less than 0.5 percent leaking valves, the Company may elect to monitor each valve once every 4 months.

[Reference: 40 CFR 63, Subpart H, '63.168(d), dated 7/

- ii. Calculating Leaking Valves

1. Percent leaking valves at a process unit shall be determined using the following equation:

$$\%V_L = (V_L / (V_T + V_C)) \times 100$$

where:

$\%V_L$ = Percent leaking valves as determined through monitoring.

V_L = Number of valves found leaking and nonrepairable as provided in paragraph (C) of this section.

V_T = Total valves monitored, in a monitoring system, excluding valves monitored as required by (C) of this section.

V_C = Optional credit for removed valves = 0.67 times the number (i.e., total removed-total added) of organic HAP service removed from process on or after October 24, 1994 or after the date of initial startup of new sources. If credits are not taken, then V_C = 0.

2. For use in determining monitoring frequency, as specified in paragraph (i).

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Emission Limitation(s)/Standard(s) and/or Operational Limitation(s)/Standard(s)	Compliance Determination Methodology (Monitoring/Testing, QA/QC Procedures (as applicable) and Record Keeping)	Reporting/Compliance Certification
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paragraph (B) of this section, the percent leaking valves calculated as a rolling average of two consecutive periods for monthly, quarterly, or semiannual monitoring and as an average of any three out of four consecutive periods for annual monitoring programs.

3. Nonrepairable valves

- a. Nonrepairable valves shall be included in the calculation of percent leaking valves the first time the valve is identified as leaking and nonrepairable and as required to comply with paragraph (C)(3)(b) of this section. Otherwise, a nonrepairable valve (identified and included in the calculation of percent leaking valves in a previous period) up to a maximum of 1 percent of the total number of valves in organic service at a process unit may be excluded from the calculation of percent leaking valves for subsequent monitoring periods.
- b. If the number of nonrepairable valves exceeds 1 percent of the total number of valves in organic HAP service at a process unit, the number of nonrepairable valves exceeding 1 percent of the total number of valves in organic HAP service shall be included in the calculation of percent leaking valves.

[Reference: 40 CFR 63, Subpart H, '63.168(e), dated 7/1/93]

4. Leak repair

1. When a leak is detected, it shall be repaired as soon as practicable, but no later than 15 calendar days after the leak is detected, except as provided in Section 9 of this unit.
2. A first attempt at repair shall be made no later than 5 days after each leak is detected.
3. When a leak has been repaired, the valve shall be monitored at least once within the first 3 months after its repair.
 - a. The monitoring shall be conducted as specified in 40 CFR 63, Subpart H, '63.180 (b) and (c), dated 7/1/93, to determine whether the valve has leaked.
 - b. Periodic monitoring required by paragraphs (A) and (B) of this section may be used to satisfy the requirements of paragraph (D)(3) if the timing of the monitoring period is consistent with the time specified in this paragraph (D)(3). Alternative

Condition 3 - Table 1 (Specific Requirements)

Emission Limitation(s)/Standard(s) and/or Operational Limitation(s)/Standard(s)	Compliance Determination Methodology (Monitoring/Testing, QA/QC Procedures (as applicable) and Record Keeping)	Reporting/Compliance Certification
	<p>other monitoring may be performed to satisfy the req of this paragraph (D)(3), regardless of whether the tir monitoring period for periodic monitoring coincides wit specified in this paragraph (D)(3).</p> <p>c. If a leak is detected by monitoring that is conducted to paragraph (D)(3) of this section, the Company sl the following provisions to determine whether that valv counted as a leaking valve for purposes of paragra this subpart.</p> <p>i.If the Company elected to use periodic monitoring by paragraphs (A) and (B) of this section to s requirements of paragraph (D)(3) of this section, valve shall be counted as a leaking valve.</p> <p>ii. If the Company elected to use other monitoring, p periodic monitoring required by paragraphs (A) an satisfy the requirements of paragraph (D)(3), then shall be counted as a leaking valve unless it is rep shown by periodic monitoring not to be leaking.</p> <p><i>[Reference: 40 CFR 63, Subpart H, '63.168(f), dated 7/</i></p> <p>. First attempts at repair include, but are not limite following practices where practicable:</p> <ol style="list-style-type: none">1. Tightening of bonnet bolts,2. Replacement of bonnet bolts,3. Tightening of packing gland nuts, and4. Injection of lubricant into lubricated packing. <p><i>[Reference: 40 CFR 63, Subpart H, '63.168(g), dated 7/</i></p> <p>. Any valve that is designated as unsafe-to-monitor is from the requirements of paragraphs (A) through (I section if:</p> <ol style="list-style-type: none">1. The Company determines that the valve is unsafe t because monitoring personnel would be exposed to an i danger as a consequence of complying with paragraphs (B) of this section; and2. The Company has a written plan that requires monitor valve as frequently as practicable during safe-to-monitor not more frequently than the periodic monitoring otherwise applicable.	

Condition 3 - Table 1 (Specific Requirements)

Emission Limitation(s)/Standard(s) and/or Operational Limitation(s)/Standard(s)	Compliance Determination Methodology (Monitoring/Testing, QA/QC Procedures (as applicable) and Record Keeping)	Reporting/Compliance Certification
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[Reference: 40 CFR 63, Subpart H, '63.168(h), dated 7/1/00.]

- i. Any valve that is designated as a difficult-to-monitor and exempt from the requirements of paragraphs (A) and (B) of this section if:
 - 1. The Company determines that the valve cannot be accessed without elevating the monitoring personnel more than 6 feet above a support surface or it is not accessible at any safe manner;
 - 2. The process unit within which the valve is located is a new source or the Company designates less than 3 percent of the number of valves in a new source as difficult-to-monitor;
 - 3. The Company follows a written plan that requires monitoring the valve at least once per calendar year.

[Reference: 40 CFR 63, Subpart H, '63.168(i), dated 7/1/00.]

- j. Recordkeeping
 - u. All records and information required by this section shall be maintained in a manner that can be readily accessed at the plant site. *[Reference: 40 CFR 63, Subpart H, '63.181, dated 7/1/00.]*
 - i. The following information pertaining to all equipment in the process unit subject to this section shall be recorded:
 - 1. A schedule for monitoring valves subject to the provisions of paragraph (iii)(B) of this section.
 - 2. The following information pertaining to all valves subject to the provisions of paragraphs (iii)(F) and (G) of this section shall be recorded:
 - a. Identification of equipment designated as unsafe to monitor, or unsafe to inspect and the monitoring or inspecting this equipment.
 - b. A list of identification numbers for the equipment designated as difficult to monitor, an explanation of why the equipment is difficult to monitor, and the planned schedule for monitoring this equipment.
 - 3. A list of valves removed from and added to the process unit described in paragraph (iii)(C)(1) of this section, if the record for removed valves is expected to be used.

Condition 3 - Table 1 (Specific Requirements)

Emission Limitation(s)/Standard(s) and/or Operational Limitation(s)/Standard(s)	Compliance Determination Methodology (Monitoring/Testing, QA/QC Procedures (as applicable) and Record Keeping)	Reporting/Compliance Certification
<p>8. Pumps, Valves, Connectors, and Agitators in Heavy Liquid Service; Instrumentation Systems; and Pressure Relief Devices in Liquid Service.</p> <p>Emission Standard</p> <p>The Company shall monitor and repair pumps, connectors, and agitators in heavy liquid service; instrumentation systems; and pressure relief devices in liquid service according to the provisions of this section. [Reference: 40 CFR 63, '63.169(a), dated 7/1/00.]</p>	<p>[Reference: 40 CFR 63, Subpart H, '63.181(b), dated 7/1/00.]</p> <p>When a leak is detected, information shall be recorded and kept for 5 years as required by section 12(iv)(C) of this permit. [Reference: 40 CFR 63, Subpart H, '63.181(d), dated 7/1/00.]</p> <p>Compliance Method:</p> <p>Compliance shall be demonstrated in accordance with the monitoring/ testing, and recordkeeping requirements of this section. [Reference: Regulation 30, Section 6(a)(1) 11/15/93.]</p> <p>i. Monitoring/ Testing:</p> <p>u. Pumps, valves, connectors, and agitators in heavy liquid service, pressure relief devices in light liquid or heavy liquid service, and instrumentation systems shall be monitored for leaks by the method specified in 40 CFR 63, Subpart H, '63.180(b), dated 7/1/00, if evidence of a potential leak is found by visual, audible, olfactory, or other detection method. If such a potential leak is required in paragraphs (C) and (D) of this section, the system shall be monitored for leaks by the method specified in 40 CFR 63, Subpart H, '63.180(b), dated 7/1/00. [Reference: 40 CFR 63, Subpart H, '63.169(a), dated 7/1/00.]</p> <p>v. If an instrument reading of 10,000 parts per million or greater for pumps, 2,000 parts per million or greater for agitators, 2,000 parts per million or greater for valves, connectors, instrumentation systems, and pressure relief devices is measured, a leak is detected. [Reference: 40 CFR 63, '63.169(b), dated 7/1/00.]</p> <p>w. Leak Repair</p> <p>1. When a leak is detected, it shall be repaired as soon as practicable, but not later than 15 calendar days after it is detected except as provided in Section 9 of this unit.</p> <p>2. The first attempt at repair shall be made no later than 15 calendar days after each leak is detected.</p> <p>3. For equipment identified in paragraph (A) of this section that is not monitored by the method specified in 40 CFR 63, Subpart H, '63.180(b), dated 7/1/00, repaired shall mean that the</p>	<p>Reporting:</p> <p>A. All records indicating exceedances of the standards in this permit with Conditions 2(b)(9) and 3(c)(2) of this permit.</p> <p>B. Other reporting requirements are covered under section 12(iv)(C) of this permit.</p> <p>i. Compliance Certification:</p> <p>None in addition to that required by Condition 3(c)(1) of this permit.</p>

Condition 3 - Table 1 (Specific Requirements)

Emission Limitation(s)/Standard(s) and/or Operational Limitation(s)/Standard(s)	Compliance Determination Methodology (Monitoring/Testing, QA/QC Procedures (as applicable) and Record Keeping)	Reporting/Compliance Certification
	<p>audible, olfactory, or other indications of a leak to the atmosphere have been eliminated; that no bubbles are observed at potential leak sites during a leak check using soap solution; or that the system holds a test pressure.</p> <p>[Reference: 40 CFR 63, Subpart H, '63.169(c), dated 7/1/00.]</p> <p>h. First attempts at repair include, but are not limited to, the practices described under paragraphs 2(iii)(B)(2) and 2(iii)(C) of this unit, for pumps and valves, respectively. [Reference: 40 CFR 63, Subpart H, '63.169(d), dated 7/1/00.]</p> <p>i. Recordkeeping</p> <p>1. All records and information required by this section shall be maintained in a manner that can be readily accessed at the plant site. [Reference: 40 CFR 63, Subpart H, '63.181(f), dated 7/1/00.]</p> <p>2. The following information pertaining to all equipment at the process unit subject to this section shall be recorded:</p> <p>1. Identification of instrumentation systems subject to the provisions of this subpart.</p> <p>2. Individual components in an instrumentation system shall not be identified.</p> <p>[Reference: 40 CFR 63, Subpart H, '63.181(b), dated 7/1/00.]</p> <p>j. The dates and results of the monitoring following a release for each pressure relief device subject to the provisions in paragraphs (i)(A) and (iii)(A) of this section. The results shall include:</p> <p>1. The background level measured during each compliance test.</p> <p>2. The maximum instrument reading measured at each test of equipment during each compliance test.</p> <p>[Reference: 40 CFR 63, Subpart H, '63.181(f), dated 7/1/00.]</p> <p>k. Company of equipment in heavy liquid service shall be identified with the requirements of either paragraph (C)(1) or paragraph (C)(3) of this section, as provided in paragraph (C)(3) of this section.</p> <p>1. Retain information, data, and analyses used to determine if a piece of equipment is in heavy liquid service.</p> <p>2. When requested by the Department, demonstrate that</p>	

Condition 3 - Table 1 (Specific Requirements)

Emission Limitation(s)/Standard(s) and/or Operational Limitation(s)/Standard(s)	Compliance Determination Methodology (Monitoring/Testing, QA/QC Procedures (as applicable) and Record Keeping)	Reporting/Compliance Certification
<p>9. Delay of Repair.</p> <p>Operational Standard.</p> <p>A. Delay of repair of equipment for which leaks have been detected is allowed if repair within 15 days is technically infeasible without a process unit shutdown. Repair of equipment shall occur by the end of the next process unit shutdown. [Reference: 40 CFR 63, Subpart H, '63.171(f), dated 7/12/14/00.]</p> <p>B. Delay of repair of equipment for which leaks have been detected is allowed for equipment that is isolated from the process and that does not remain in organic HAP service. [Reference: 40 CFR 63, Subpart H, '63.171(b), dated 7/12/14/00.]</p> <p>C. Delay of repair for valves, connectors, and agitators is allowed if:</p> <ol style="list-style-type: none">1. The Company determines that emissions of purged gas resulting from immediate repair would be greater than fugitive emissions likely to result from delay of repair,2. When repair procedures are effected, the purged gas is collected and destroyed or recovered in a manner complying with Section 10 of this unit. <p>[Reference: 40 CFR 63, Subpart H, '63.171(c), dated 7/12/14/00.]</p> <p>D. Delay of repair for pumps is also allowed if:</p> <ol style="list-style-type: none">1. Repair requires replacing the existing seal design with a system that the Company has determined under the provisions of 40 CFR 63, Subpart H, '63.176(d), dated 7/12/14/00, to provide better performance or:a. A dual mechanical seal system that meets the requirements of Section (2)(iii)(D) of this unit,	<p>of equipment or process is in heavy liquid service.</p> <p>3. A determination or demonstration that a piece of equipment or process is in heavy liquid service shall include an analysis or demonstration that the process fluids do not meet the definition of a gas in light liquid service. Examples of information that the Company must document this include, but are not limited to, records of equipment purchased for the process, analyses of process fluid composition, engineering calculations, or process knowledge.</p> <p>[Reference: 40 CFR 63, Subpart H, '63.181(i), dated 7/12/14/00.]</p> <p>i. Compliance Method:</p> <p>Compliance shall be demonstrated in accordance with the recordkeeping requirements of this condition. [Reference: 40 CFR 63, Subpart H, '63.181(i), dated 7/12/14/00.]</p> <p>ii. Monitoring/ Testing:</p> <p>None required for this section.</p> <p>iii. Recordkeeping</p> <p>All records and information required by this section shall be maintained in a manner that can be readily accessed at the site. [Reference: 40 CFR 63, Subpart H, '63.181(a), dated 7/12/14/00.]</p>	<p>i. Reporting:</p> <p>A. All records indicating exceedances of the standards in accordance with Conditions 2(b)(9) and 3(c)(2) of this permit.</p> <p>B. Other reporting requirements are covered under section 10 of this permit.</p> <p>ii. Compliance Certification:</p> <p>None in addition to that required by Condition 3(c)(2) of this permit.</p>

Condition 3 - Table 1 (Specific Requirements)

Emission Limitation(s)/Standard(s) and/or Operational Limitation(s)/Standard(s)	Compliance Determination Methodology (Monitoring/Testing, QA/QC Procedures (as applicable) and Record Keeping)	Reporting/Compliance Certification
<p>b. A pump that meets the requirements of Section (of this unit, or</p> <p>c. A closed-vent system and control device that r requirements of Section (2)(iii)(F) of this unit; and</p> <p>2. Repair is completed as soon as practicable, but not 6 months after the leak was detected.</p> <p><i>[Reference: 40 CFR 63, Subpart H, '63.171(d), dated 7/ 1/ 00].</i></p> <p>E. Delay of repair beyond a process unit shutdown allowed for a valve if valve assembly replace necessary during the process unit shutdown, valve a supplies have been depleted, and valve assembly had been sufficiently stocked before the suppli depleted. Delay of repair beyond the second pro shutdown will not be allowed unless the third pro shutdown occurs sooner than 6 months after process unit shutdown. <i>[Reference: 40 CFR 63, '63.171(e), dated 7/ 1/ 00].</i></p> <p>10. Closed-vent Systems and Control Devices.</p> <p>i. Operational Standards:</p> <p>A. Owners or operators of closed-vent systems and devices used to comply with provisions of this sub comply with the provisions of this section. <i>[Reference: 63, Subpart H, '63.172(a), dated 7/ 1/ 00.]</i></p> <p>B. Recovery or recapture devices (e.g., condens absorbers) shall be designed and operated to rec organic hazardous air pollutant emissions or volatil compounds emissions vented to them with an effi 95 percent or greater, or to an exit concentration of par million by volume, whichever is less stringent. <i>[40 CFR 63, Subpart H, '63.172(b), dated 7/ 1/ 00.]</i></p> <p>C. Enclosed combustion devices shall be designed and to reduce the organic hazardous air pollutant emi volatile organic compounds emissions vented to th an efficiency of 95 percent or greater, or to concentration of 20 parts per million by volume, basis, corrected to 3 percent oxygen, whichev stringent, or to provide a minimum residence tim</p>	<p>. Compliance Method: Compliance shall be demonstrated in accordance Monitoring/ Testing and Recordkeeping requirements condition. <i>[Reference: Regulation 30, Section 6(a)(11/ 15/ 93.]</i></p> <p>i. Monitoring/ Testing:</p> <p>u. Except as provided in paragraphs (F) and (G) of this each closed-vent system shall be inspected accordir procedures and schedule specified in paragraphs (/ (A)(2) of this section.</p> <p>1. If the closed-vent system is constructed of hard-p Company shall:</p> <p>a. Conduct an initial inspection according to the proc paragraph (B) of this section, and</p> <p>b. Conduct annual visual inspections for visible, at olfactory indications of leaks.</p> <p>2. If the vapor collection system or closed-vent s constructed of duct work, the Company shall:</p> <p>a. Conduct an initial inspection according to the proc</p>	<p>. Reporting:</p> <p>A. All records indicating exceedances of the standards in a with Conditions 2(b)(9) and 3(c)(2)of this permit.</p> <p>B. Other reporting requirements are covered under sector</p> <p>i. Compliance Certification: None in addition to that required by Condition 3(c)(permit.</p>

Condition 3 - Table 1 (Specific Requirements)

Emission Limitation(s)/Standard(s) and/or Operational Limitation(s)/Standard(s)	Compliance Determination Methodology (Monitoring/Testing, QA/QC Procedures (as applicable) and Record Keeping)	Reporting/Compliance Certification
<p>seconds at a minimum temperature of 760 deg.C. [40 CFR 63, Subpart H, '63.172(c), dated 7/ 1/ 00.]</p> <p>D. Flares used to comply with this subpart shall comply requirements of 40 CFR 63, Subpart A, '63.11(k) 7/1/00. (Covered as part of Unit 12.) [Reference: 40 CFR 63, Subpart H, '63.172(d), dated 7/ 1/ 00.]</p> <p>E. Owners or operators of control devices that are used to comply with the provisions of this subpart shall ensure that these control devices to ensure that they are operated and maintained in conformance with their design. [Reference: 40 CFR 63, Subpart H, '63.172(e), dated 7/ 1/ 00.]</p> <p>F. Whenever organic HAP emissions are vented to a closed vent system or control device used to comply with the provisions of this subpart, such system or control device shall be operated and maintained in conformance with their design. [Reference: 40 CFR 63, Subpart H, '63.172(m), dated 7/ 1/ 00.]</p>	<p>paragraph (B) of this section, and</p> <p>b. Conduct annual inspections according to the procedures in paragraph (B) of this section.</p> <p>[Reference: 40 CFR 63, Subpart H, '63.172(f), dated 7/ 1/ 00.]</p> <p>i. Each closed-vent system shall be inspected according to the procedures in 40 CFR 63, Subpart H, '63.180(b), dated 7/ 1/ 00. [Reference: 40 CFR 63, Subpart H, '63.180(b), dated 7/ 1/ 00.]</p> <p>j. Leaks, as indicated by an instrument reading greater than 10 parts per million above background or by visual inspection, shall be repaired as soon as practicable, except as provided in paragraph (D) of this section.</p> <p>1. A first attempt at repair shall be made no later than 5 days after the leak is detected.</p> <p>2. Repair shall be completed no later than 15 calendar days after the leak is detected, except as provided in paragraph (D) of this section.</p> <p>[Reference: 40 CFR 63, Subpart H, '63.172(h), dated 7/ 1/ 00.]</p> <p>k. Delay of repair of a closed-vent system for which a leak has been detected is allowed if the repair is technically infeasible without a process unit shutdown or if the Company demonstrates that emissions resulting from immediate repair would be greater than the fugitive emissions likely to result from repair. Repair of such equipment shall be complete by the start of the next process unit shutdown. [Reference: 40 CFR 63, Subpart H, '63.172(i), dated 7/ 1/ 00.]</p> <p>l. For each closed-vent system that contains a bypass line that could divert a vent stream away from the control device to the atmosphere, the Company shall comply with the provisions of either paragraph (E)(1) or (E)(2) of this section, except as provided in paragraph (E)(3) of this section.</p> <p>1. Install, set or adjust, maintain, and operate a flow indicator that takes a reading at least once every 15 minutes. Record the reading generated as specified in 40 CFR 63, Subpart G, '63.170, dated 7/ 1/ 00. The flow indicator shall be installed at the entrance to any bypass line; or</p> <p>2. Secure the bypass line valve in the non-diverting position.</p>	

Condition 3 - Table 1 (Specific Requirements)

Emission Limitation(s)/Standard(s) and/or Operational Limitation(s)/Standard(s)	Compliance Determination Methodology (Monitoring/Testing, QA/QC Procedures (as applicable) and Record Keeping)	Reporting/Compliance Certification
	<p>car-seal or a lock-and-key type configuration. A visual inspection of the seal or closure mechanism shall be performed at least every month to ensure the valve is maintained in the non-leak position and the vent stream is not diverted through the line.</p> <p>3. Equipment such as low leg drains, high point bleeds, vents, open-ended valves or lines, and pressure relief devices needed for safety purposes are not subject to this paragraph. [Reference: 40 CFR 63, Subpart H, '63.172(j), dated 7/1/00.]</p> <p>h. Any parts of the closed-vent system that are designed to be unsafe to inspect are exempt from the inspection requirements of paragraphs (A)(1) and (A)(2) of this section if:</p> <ol style="list-style-type: none">1. The Company determines that the equipment is not safe to inspect because inspecting personnel would be exposed to an imminent or potential danger as a consequence of compliance with paragraph (A)(1) or (A)(2) of this section; and2. The Company has a written plan that requires inspecting equipment as frequently as practicable during safe-to-operate times, but not more frequently than annually. [Reference: 40 CFR 63, Subpart H, '63.172(k), dated 7/1/00.] <p>i. Any parts of the closed-vent system that are designed to be difficult to inspect are exempt from the inspection requirements of paragraphs (A)(1) and (a)(2) of this section if:</p> <ol style="list-style-type: none">1. The Company determines that the equipment cannot be inspected without elevating the inspecting personnel more than 6 meters above a support surface; and2. The Company has a written plan that requires inspecting equipment at least once every 5 years. [Reference: 40 CFR 63, Subpart H, '63.172(l), dated 7/1/00.] <p>j. Recordkeeping</p> <ol style="list-style-type: none">h. All records and information required by this section shall be maintained in a manner that can be readily accessed at the plant site. [Reference: 40 CFR 63, Subpart H, '63.181, dated 7/1/00.]i. When a leak is detected, information shall be recorded and kept for 5 years as required by section 12(C) of 1	

Condition 3 - Table 1 (Specific Requirements)

Emission Limitation(s)/Standard(s) and/or Operational Limitation(s)/Standard(s)	Compliance Determination Methodology (Monitoring/Testing, QA/QC Procedures (as applicable) and Record Keeping)	Reporting/Compliance Certification
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[Reference: 40 CFR 63, Subpart H, '63.181(d), dated 7/1/

1. The Company shall maintain records of the information specified in paragraphs (C)(1) through (C)(3) of this section for closed-vent systems and control devices. The records specified in paragraph (C)(1) of this section shall be retained for the life of the equipment. The records specified in paragraphs (C)(2) and (C)(3) of this section shall be retained for 5 years.

1. The following design specifications and performance demonstrations:

a. Detailed schematics, design specifications of the device, and piping and instrumentation diagrams.

b. The dates and descriptions of any changes in the design specifications.

c. The flare design (i.e., steam-assisted, air-assisted, or self-assisted) and the results of the compliance demonstration required by '63.11(b).

d. A description of the parameter or parameters monitored, as required in paragraph (i)(E) of this unit, to ensure that control devices are operated and maintained in conformance with their design and an explanation of why that parameter (or parameters) was selected for the monitoring.

2. Records of operation of closed-vent systems and control devices, as specified in paragraphs (C)(2)(a) through (C)(2)(d) of this section.

a. Dates and durations when the closed-vent system or control devices required in sections 2 through 5 of this unit were not operated as designed as indicated by the monitored parameters, including periods when a flare pilot light does not have a flame.

b. Dates and durations during which the monitoring system or monitoring device is inoperative.

c. Dates and durations of start-ups and shutdowns of closed-vent systems and control devices required in sections 2 through 5 of this unit.

3. Records of inspections of closed-vent systems, as specified in paragraphs (C)(3)(a) and (C)(3)(b) of this section.

a. For each inspection conducted in accordance with the provisions of paragraphs (iii)(A)(1) and (2) of this section.

Condition 3 - Table 1 (Specific Requirements)

Emission Limitation(s)/Standard(s) and/or Operational Limitation(s)/Standard(s)	Compliance Determination Methodology (Monitoring/Testing, QA/QC Procedures (as applicable) and Record Keeping)	Reporting/Compliance Certification
<p>11. Connectors in Gas/vapor Service and in Light Liquid Service.</p> <p>i. Emission Limitation: The Company shall monitor all connectors in gas service and in light liquid service according to the provisions of this section. [Reference: 40 CFR 63, Subpart H, '63.181(g), dated 7/1/00.]</p>	<p>during which no leaks were detected, a record inspection was performed, the date of the inspection, and a statement that no leaks were detected.</p> <p>b. For each inspection conducted in accordance with the provisions of paragraphs (iii)(A)(1) and (2) of this section during which leaks were detected, the information specified in section 11(C) of this unit shall be recorded.</p> <p>[Reference: 40 CFR 63, Subpart H, '63.181(g), dated 7/1/00.]</p> <p>Compliance Method: Compliance shall be demonstrated in accordance with the Monitoring/ Testing and Recordkeeping requirements of this condition. [Reference: Regulation 30, Section 6(a)(1) 15/ 93.]</p> <p>i. Monitoring/ Testing:</p> <p>u. The Company shall monitor all connectors in gas/vapor service and in light liquid service, except as provided in paragraph (G) of this section, at the intervals specified in paragraph (B) of this section.</p> <p>1. The connectors shall be monitored to detect leaks using the method specified in 40 CFR 63, Subpart H, '63.180(c)(1) 1/ 00.</p> <p>2. If an instrument reading greater than or equal to 500 ppm is measured, a leak is detected.</p> <p>[Reference: 40 CFR 63, Subpart H, '63.174(a), dated 7/1/00.]</p> <p>i. The Company shall monitor for leaks at the frequency specified in paragraphs (B)(1) through (B)(5) of this section except as provided in paragraph (C)(2) of this section.</p> <p>1. Once per year (i.e., 12-month period), if the percent leaking connectors in the process unit was 0.5 percent or greater during the last required annual or biennial monitoring period.</p> <p>2. Once every 2 years, if the percent leaking connectors was greater than 0.5 percent during the last required monitoring period, the Company may comply with this paragraph by monitoring 40 percent of the connectors in the first year and the remaining 60 percent of the connectors in the second year. The percent leaking connectors will be calculated for the total of all monitoring performed.</p>	<p>Reporting:</p> <p>A. All records indicating exceedances of the standards in accordance with Conditions 2(b)(9) and 3(c)(2) of this permit.</p> <p>B. Other reporting requirements are covered under section 3 of this permit.</p> <p>Compliance Certification: None in addition to that required by Condition 3(c) of this permit.</p>

Condition 3 - Table 1 (Specific Requirements)

Emission Limitation(s)/Standard(s) and/or Operational Limitation(s)/Standard(s)	Compliance Determination Methodology (Monitoring/Testing, QA/QC Procedures (as applicable) and Record Keeping)	Reporting/Compliance Certification
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the 2-year period.

3. If the Company of a process unit in a biennial leak and repair program calculates less than 0.5 percent leaking connectors from the 2-year monitoring period, the Company shall monitor the connectors one time every 4 years. The Company shall comply with the requirements of this paragraph by monitoring at least 20 percent of the connectors each year until all connectors have been monitored within 4 years.

4. If a process unit complying with the requirements of paragraph (B) of this section using a 4-year monitoring interval has 1 percent or greater leaking connectors, the Company shall increase the monitoring frequency to one time every 2 years. The Company shall comply with the requirements of this paragraph by monitoring at least 20 percent of the connectors in the first year and the remaining connectors in the second year. The Company may again use the provisions of paragraph (B)(3) of this section when the percent leaking connectors decreases to less than 0.5 percent.

5. If a process unit complying with requirements of paragraph (B)(3) of this section using a 4-year monitoring interval has 1 percent or greater leaking connectors, the Company shall increase the monitoring frequency to one time per year. The Company may again elect to use the provisions of paragraph (B)(3) of this section when the percent leaking connectors decreases to less than 0.5 percent.

[Reference: 40 CFR 63, Subpart H, '63.174(b), dated 7/1/99]

Other Monitoring

1. Opened connectors

a. Except as provided in paragraph (C)(1)(b) of this section, each connector that has been opened or has otherwise had its seal broken shall be monitored for leaks when it is repaired or within the first 3 months after being returned to hazardous air pollutants service. If the monitoring detects a leak, it shall be repaired according to the provisions of paragraph (C) of this section, unless it is determined to be nonrepairable, in which case it is counted as a nonrepairable connector for the purposes of paragraph (H) of this section.

Condition 3 - Table 1 (Specific Requirements)

Emission Limitation(s)/Standard(s) and/or Operational Limitation(s)/Standard(s)	Compliance Determination Methodology (Monitoring/Testing, QA/QC Procedures (as applicable) and Record Keeping)	Reporting/Compliance Certification
	<p>b. As an alternative to the requirements in paragraph (C) of this section, an Company may choose not to monitor connectors that have been opened or otherwise had broken. In this case, the Company may not count non-repairable connectors for the purposes of paragraph (H) of this section. The Company shall calculate the percent leaking connectors during the monitoring periods described in paragraph (B) of this section, by setting the nonrepairable component, C, in the equation in paragraph (H)(2) of this section to zero for the monitoring periods.</p> <p>c. An Company may switch alternatives described in paragraph (C)(1) (a) and (b) of this section at the end of the monitoring period he is in, provided that it is required in Section 13 of this unit and begin the new monitoring period in annual monitoring. The initial monitoring in the new period shall be completed no later than 12 months after repair switch.</p> <p>2. As an alternative to the requirements of paragraph (C) of this section, each screwed connector 2 inches or less in nominal diameter installed in a process unit before December 1, 1999, may:</p> <p>a. Comply with the requirements of Section 8 of this unit.</p> <p>b. Be monitored for leaks within the first 3 months after returned to organic hazardous air pollutants service after been opened or otherwise had the seal broken. If monitoring detects a leak, it shall be repaired according to the provisions of paragraph (D) of this section.</p> <p>[Reference: 40 CFR 63, Subpart H, '63.174(c), dated 7/1/99]</p> <p>d. When a leak is detected, it shall be repaired as soon as practicable, but no later than 15 calendar days after the leak is detected, except as provided in paragraph (F) of this section and in Section 9 of this unit. A first attempt at repair shall be made no later than 5 calendar days after the leak is detected.</p> <p>[Reference: 40 CFR 63, Subpart H, '63.174(d), dated 7/1/99]</p> <p>e. Any connector that is designated as an unsafe-to-monitor, or unsafe to inspect connector is exempt from the requirements of paragraph (A) of this section.</p>	

Condition 3 - Table 1 (Specific Requirements)

Emission Limitation(s)/Standard(s) and/or Operational Limitation(s)/Standard(s)	Compliance Determination Methodology (Monitoring/Testing, QA/QC Procedures (as applicable) and Record Keeping)	Reporting/Compliance Certification
	<p>1. The Company determines that the connector is a monitor because personnel would be exposed to an immediate danger as a result of complying with paragraphs (A) through (D) of this section; and</p> <p>2. The Company has a written plan that requires monitor the connector as frequently as practicable during safe to periods, but not more frequently than the periodic otherwise applicable.</p> <p><i>[Reference: 40 CFR 63, Subpart H, '63.174(f), dated 7/1/98]</i></p> <p>. Any connector that is designated as an unsafe-connector is exempt from the requirements of paragraphs (A) and (D) of this section if:</p> <p>1. The Company determines that repair personnel would not be exposed to an immediate danger as a consequence of complying with paragraph (D) of this section; and</p> <p>2. The connector will be repaired before the end of the scheduled process unit shutdown.</p> <p><i>[Reference: 40 CFR 63, Subpart H, '63.174(g), dated 7/1/98]</i></p> <p>i. Inaccessible/Ceramic connectors</p> <p>1. Any connector that is inaccessible or is ceramic or glass-lined (e.g., porcelain, glass, or glass-lined), is exempt from the monitoring requirements of paragraphs (A) and (D) of this section and from the recordkeeping and reporting requirements of paragraphs 12 and 13 of this unit. An inaccessible connector is one that is:</p> <ul style="list-style-type: none">a. Buried;b. Insulated in a manner that prevents access to the connector by a monitor probe;c. Obstructed by equipment or piping that prevents access to the connector by a monitor probe;d. Unable to be reached from a wheeled scissor lift or hydraulic-type scaffold which would allow access to the connectors up to 7.6 meters (25 feet) above the ground;e. Inaccessible because it would require elevated access for monitoring personnel more than 2 meters above a platform or support surface or would require the erection of scaffolding;f. Not able to be accessed at any time in a safe manner to perform monitoring. Unsafe access includes, but is not limited to, access by a ladder, bucket, or other means.	

Condition 3 - Table 1 (Specific Requirements)

Emission Limitation(s)/Standard(s) and/or Operational Limitation(s)/Standard(s)	Compliance Determination Methodology (Monitoring/Testing, QA/QC Procedures (as applicable) and Record Keeping)	Reporting/Compliance Certification
	<p>to, the use of a wheeled scissor-lift on unstable terrain, the use of a motorized man-lift basket in an area where an ignition potential exists, or access would require proximity to hazards such as electrical lines, or risk of damage to equipment.</p> <p>2. If any inaccessible or ceramic or ceramic-lined container is observed by visual, audible, olfactory, or other means to be leaking, the leak shall be repaired as soon as practicable, but no later than 15 calendar days after the leak is detected, as provided in Section 9 of this unit and paragraph (F) of this section.</p> <p>3. A first attempt at repair shall be made no later than 5 days after the leak is detected.</p> <p><i>[Reference: 40 CFR 63, Subpart H, '63.174(h), dated 7/1/00.]</i></p> <p>l. For use in determining the monitoring frequency, subject to the first monitoring period for connectors as specified in paragraph (B) of this section, the percent leaking connectors shall be calculated using the following equation:</p> $\%C_L = [(C_L - C_{AN}) / (C_t + C_C)] \times 100$ <p>where:</p> <p>$\%C_L$ = Percent leaking connectors as determined through monitoring required in paragraphs (A) and (B) of this section.</p> <p>C_L = Number of connectors, including nonrepairables, in the process unit at 500 parts per million or greater, by the monitoring required in paragraph (B) of this section, specified in 40 CFR 63, Subpart H, '63.180(h), dated 7/1/00.</p> <p>C_{AN} = Number of allowable nonrepairable connectors determined by monitoring required in paragraphs (B)(3) and (C) of this section, not to exceed 1 percent of the total connector population, C_t.</p> <p>C_t = Total number of monitored connectors, including nonrepairables, in the process unit.</p> <p>C_C = Optional credit for removed connectors = 0.67 x (total removed--total added) number of connectors of organic hazardous air pollutants service removed from the process unit after October 24, 1994. If credit</p>	

Condition 3 - Table 1 (Specific Requirements)

Emission Limitation(s)/Standard(s) and/or Operational Limitation(s)/Standard(s)	Compliance Determination Methodology (Monitoring/Testing, QA/QC Procedures (as applicable) and Record Keeping)	Reporting/Compliance Certification
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taken, then $C_c = 0$.

[Reference: 40 CFR 63, Subpart H, '63.174(i), dated 7/

Optional credit for removed connectors. If an (eliminates a connector subject to monitoring under p (B) of this section, the Company may receive c elimination of the connector, as described in paragra this section, provided the requirements in paragra through (l)(4) are met.

1. The connector was welded after December 31, 1992.
2. The integrity of the weld is demonstrated by mo according to the procedures in 40 CFR 63, Subpart H, '6 or by testing using X-ray, acoustic monitoring, hydrot other applicable method.
3. Welds created after December 31, 1992 but before Oc 1994 were monitored or tested by January 24, 1995.
4. Welds created after December 31, 1994 are monitored within 3 months after being welded.
5. If an inadequate weld is found or the connector is n completely around the circumference, the connecto considered a welded connector and is therefore not exe the provisions of this subpart.

[Reference: 40 CFR 63, Subpart H, '63.174(j), dated 7/

iv. Recordkeeping

- a. All records and information required by this section maintained in a manner that can be readily access plant site. *[Reference: 40 CFR 63, Subpart H, '63.181 7/ 1/ 00.]*
- b. The following information pertaining to all equipmen process unit subject sections 2 through 11 shall be re
 1. A schedule for monitoring connectors subject to the prc paragraph 7(iii)(B) of this section.
 2. Identification of screwed connectors subject to the req of paragraph (iii)(C)(2) of this section. Identification c area or grouping as long as the total number within each area is recorded.
 3. The following information pertaining to all connectors :

Condition 3 - Table 1 (Specific Requirements)

Emission Limitation(s)/Standard(s) and/or Operational Limitation(s)/Standard(s)	Compliance Determination Methodology (Monitoring/Testing, QA/QC Procedures (as applicable) and Record Keeping)	Reporting/Compliance Certification
12. General Recordkeeping Requirements. i. Operational Limitations None	<p>the provisions of paragraphs (iii)(E) and (F) of this section shall be recorded:</p> <ul style="list-style-type: none">a. Identification of equipment designated as unsafe to monitor, or unsafe to inspect and the monitoring or inspecting this equipment.b. A list of identification numbers for the equipment designated as difficult to monitor, an explanation of why the equipment is difficult to monitor, and the planned schedule for monitoring this equipment.c. A list of identification numbers for connectors designated as unsafe to repair and an explanation of why the connector is unsafe to repair. <p>4. A list of connectors removed from and added to the unit, as described in (iii)(H) of this section, and documenting the integrity of the weld for any removed connectors, as required in paragraph (iii)(J) of this section. This is not required if the net credits for removed connectors is expected to be used.</p> <p>[Reference: 40 CFR 63, Subpart H, '63.181(b), dated 7/1/00.]</p> <p>When a leak is detected, information shall be recorded and kept for 5 years as required by section 12(iv)(C) of this permit.</p> <p>[Reference: 40 CFR 63, Subpart H, '63.181(d), dated 7/1/00.]</p> <p>Compliance Method: Compliance shall be demonstrated in accordance with the Recordkeeping requirements of this condition. [Reference: 40 CFR 63, Subpart H, '63.181(e), dated 7/1/00.]</p> <p>i. Monitoring/Testing None</p> <p>j. Recordkeeping</p> <ul style="list-style-type: none">1. All records and information required by this unit shall be maintained in a manner that can be readily accessed at the plant site. This could include physically locating the records at the plant site or accessing the records from a central database by computer at the plant site. [Reference: 40 CFR 63, Subpart H, '63.181(a), dated 7/1/00.]2. The following information pertaining to all equipment	<p>Reporting:</p> <ul style="list-style-type: none">A. All records indicating exceedances of the standards in accordance with Conditions 2(b)(9) and 3(c)(2) of this permit.B. Other reporting requirements are covered under section 12 of this permit. <p>Compliance Certification: None in addition to that required by Condition 3(c)(2) of this permit.</p>

Condition 3 - Table 1 (Specific Requirements)

Emission Limitation(s)/Standard(s) and/or Operational Limitation(s)/Standard(s)	Compliance Determination Methodology (Monitoring/Testing, QA/QC Procedures (as applicable) and Record Keeping)	Reporting/Compliance Certification
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process unit subject to the requirements in Sections this unit shall be recorded:

1. A list of identification numbers for equipment (except exempt from monitoring and recordkeeping identified in § and instrumentation systems) subject to the requirement unit. Connectors need not be individually identified if all connectors in a designated area or length of pipe subject to the provisions of this subpart are identified as a group, and the number of connectors subject is indicated.

2. Physical tagging of the equipment to indicate that it is subject to HAP service is not required. Equipment subject to the provisions of this subpart may be identified on a plant site plan, in logs, or by other appropriate methods. [Reference: 40 CFR 63, '63.181(b), dated 7/1/00.]

3. When each leak is detected, the following information shall be recorded and kept for 5 years:

1. The instrument and the equipment identification number, operator name, initials, or identification number.

2. The date the leak was detected and the date of first repair of the leak.

3. The date of successful repair of the leak.

4. Maximum instrument reading measured by Method 21 CFR part 60, appendix A, dated 7/1/00, after it is successfully repaired or determined to be nonreparable.

5. A repair delayed and the reason for the delay if a leak is not repaired within 15 calendar days after discovery of the leak.

a. The Company may develop a written procedure that describes the conditions that justify a delay of repair. These procedures may be included as part of the startup/shutdown/malfunction plan, required by Section 6.1, for the source or may be part of a separate document maintained at the plant site. In such cases, reasons for repair may be documented by citing the relevant sections of the written procedure.

b. If delay of repair was caused by depletion of stock, there must be documentation that the spare parts were sufficiently stocked on-site before depletion and the reason for the delay.

Condition 3 - Table 1 (Specific Requirements)

Emission Limitation(s)/Standard(s) and/or Operational Limitation(s)/Standard(s)	Compliance Determination Methodology (Monitoring/Testing, QA/QC Procedures (as applicable) and Record Keeping)	Reporting/Compliance Certification
13. Reporting Requirements. i. Operational Limitations None.	<p>depletion.</p> <p>6. Dates of process unit shutdowns that occur while the c is unrepaired.</p> <p>7. Opened connectors</p> <p>a. Identification, either by list, location (area or grou tagging of connectors that have been opened or othe the seal broken since the last monitoring period re section 11(iii)(B) of this unit, as described in 11(iii)(C)(1), unless the Company elects to comply provisions of section 11 (iii)(C)(2).</p> <p>b. The date and results of monitoring as required i 11(iii)(C) of this unit. If identification of connectors been opened or otherwise had the seal broken is location under paragraph (C)(7)(a) of this section, connectors within the designated location shall be mc</p> <p>8. Copies of the periodic reports as specified in section this unit., if records are not maintained on a cor database capable of generating summary reports from the [Reference: 40 CFR 63, Subpart H, '63.181(d), dated 7/1/00.]</p> <p>i. Compliance Method: Compliance shall be demonstrated in accordance Recordkeeping requirements of this condition. [Regulation 30, Section 6(a)(3), dated 11/ 15/ 93.]</p> <p>ii. Monitoring/ Testing none</p> <p>iii. Recordkeeping Each Company shall maintain copies of the periodi required by paragraph (v) for five (5) years. [Regulation 30, Section 6(a)(3), dated 11/ 15/ 93.]</p>	<p>i. Reporting The Company of a source subject to this subpart sha Periodic Reports.</p> <p>ii. A report containing the information in paragraphs (B) ; this section shall be submitted semiannually by Januar July 19 of each year. Each periodic report shall c previous 6 month period of May 1 - November December 1 - April 30 respectively. [Reference: 40 Subpart H, '63.182(d)(1), dated 7/ 1/ 00.]</p> <p>iii. For each process unit complying with the provisions of 2 through 11 of this unit, the summary information paragraphs (1) through (12) of this section for each m period during the 6-month period.</p> <p>1. The number of valves for which leaks were det described in section 7(iii)(A) of this unit, the percent and the total number of valves monitored;</p> <p>2. The number of valves for which leaks were not req required in section 7(iii)(D) of this unit, identifying the</p>

Condition 3 - Table 1 (Specific Requirements)

Emission Limitation(s)/Standard(s) and/or Operational Limitation(s)/Standard(s)	Compliance Determination Methodology (Monitoring/Testing, QA/QC Procedures (as applicable) and Record Keeping)	Reporting/Compliance Certification
		<p>of those that are determined nonrepairable;</p> <p>3. The number of pumps for which leaks were detected described in section 2(iii)(A) of this unit, the percent and the total number of pumps monitored;</p> <p>4. The number of pumps for which leaks were not required in section 2(iii)(B) of this unit;</p> <p>5. The number of compressors for which leaks were described in section 3(iii)(C) of this unit;</p> <p>6. The number of compressors for which leaks were repaired as required in section 3(iii)(D) of this unit;</p> <p>7. The number of connectors for which leaks were described in section 11(iii)(A) of this unit, the percent of connectors leaking, and the total number of connectors monitored;</p> <p>8. The number of connectors for which leaks were not as required in section 11(iii)(D) of this unit, the number of those that are determined nonrepairable;</p> <p>9. The facts that explain any delay of repairs and appropriate, why a process unit shutdown was determined infeasible.</p> <p>10. The results of all monitoring to show compliance with 3(iii)(F), 4(i)(A) and 10(iii)(A) of this unit conducted during the semiannual reporting period.</p> <p>11. If applicable, the initiation of a monthly monitoring program under section 7(B)(1)(a) of this unit, or a quality improvement program under 40 CFR 63, Subpart H, '63.176, dated 7/1/01.</p> <p>12. If applicable, notification of a change in connector repair alternatives as described in section 11(iii)(C)(1) of this unit.</p> <p>[Reference: 40 CFR 63, Subpart H, '63.182(d), dated 7/1/01].</p> <p>13. Any revisions to items reported in an earlier Notification of Compliance Status, as listed in paragraphs (1) through (12) of this section, if the method of compliance has changed since the last report.</p> <p>1. Process unit identification.</p> <p>2. Number of each equipment type (e.g., valves, pumps) in vacuum service.</p> <p>3. Method of compliance with the standard (for example,</p>

Condition 3 - Table 1 (Specific Requirements)

Emission Limitation(s)/Standard(s) and/or Operational Limitation(s)/Standard(s)	Compliance Determination Methodology (Monitoring/Testing, QA/QC Procedures (as applicable) and Record Keeping)	Reporting/Compliance Certification
<p>c. Emission Unit 32: Process heaters 32-H-101, 32-H-102, 32-H-103; Emission Point 32-1.</p> <p>1. Particulate Matter</p> <p>i. Emission Standard: The Company shall not cause or allow the emission of particulate matter in excess of 0.3 lb/mmBTU heat input on a maximum 2-hour average. [Reference: Regulation No. 4.1 dated 2/1/81]</p> <p>ii. Operational Limitation: The Company shall only combust desulfurized RFG as the fuel in units 32-H-101, 32-H-102 and 32-H-103. [Reference: Regulation No. 30 Section 6(a)(3)(ii) dated 11/15/93] A. In Unit 32-H-101 only, the Company may combust vented gas from the Alky Merox and Poly Merox processes and benzene displaced from loading operations as described under Section 5. [Reference: 40 CFR 63.113 and 63.116 (e) both dated 1/17/1993]</p> <p>2. Sulfur Dioxide (SO₂)</p> <p>i. Emission Standard: The Company shall not purchase for use and shall not use fuel having a sulfur content greater than 1.0 percent in emission units 32-H-101, 32-H-102 and 32-H-103. [Reference: Regulation No. 8, Section 2.1 dated 5/9/85].</p> <p>ii. Operational Limitation: The Company shall not burn in any fuel gas combustor any fuel gas that contains more H₂S in excess of 0.1 grains per million on a three hour rolling average. [Reference: Regulation No. 20,</p>	<p>i. Compliance Method: [Reference: Regulation No. 30 Section 6(a)(3)(i) dated 11/15/93] A. Compliance with the Emission Standard is based on compliance with the NSPS limit of 0.1 grain/dscf in RFG. B. Compliance with the Operational Limitation A shall be demonstrated by record keeping. C. Compliance with Operational Limitation B shall be demonstrated by introducing the process gas into the flame zone of 3 except that when benzene vapors are controlled in the process heater the Company may alternatively pre-treat benzene waste with the fuel as prescribed in Operational Limitation B.1.ii.B.</p> <p>ii. Monitoring/Testing: The Company shall continuously monitor the H₂S content in RFG. [Reference: Regulation No. 30 Section 6(a)(3)(i)(B) dated 11/15/93]</p> <p>iii. Record Keeping: The Company shall maintain fuel usage records for each unit. [Reference: Regulation No. 30 Section 6(a)(3)(i)(A) dated 11/15/93]</p> <p>iv. Compliance Method: [Reference: Regulation No. 30 Section 6(a)(3)(i) dated 11/15/93] A. A Continuous Emissions Monitoring System (CEMS) shall be used to demonstrate compliance with the Operational Limitation. B. Compliance with the Emission Standard shall be based on compliance with the Operational Limitation.</p> <p>v. Monitoring/Testing: [Reference: Regulation No. 30 Section 6(a)(3)(i) dated 11/15/93] u. The H₂S content in RFG shall be continuously monitored.</p>	<p>leak detection and repair" or "equipped with dual manhole seals"). [Reference: 40 CFR 63, Subpart H, '63.182(d)(4), dated 7/1/93]</p> <p>i. Reporting: None in addition to those listed in Condition 3(c)(2) of this permit.</p> <p>ii. Certification Requirement: None in addition to those listed in Condition 3(c)(3) of this permit.</p> <p>iii. Reporting: None in addition to those listed in Condition 3(c)(2) of this permit.</p> <p>iv. Certification Requirement: None in addition to those listed in Condition 3(c)(3) of this permit.</p>

Condition 3 - Table 1 (Specific Requirements)

Emission Limitation(s)/Standard(s) and/or Operational Limitation(s)/Standard(s)	Compliance Determination Methodology (Monitoring/Testing, QA/QC Procedures (as applicable) and Record Keeping)	Reporting/Compliance Certification
<p><i>dated 11/27/85 and 40 CFR 60.104(a)(1) dated 10/2/90].</i></p> <p>3. Nitrogen Oxides (NO_x) Emission Standards: A. For 32-H-101: NO_x emissions shall not exceed 0.2 lb. <i>[Reference: APC-81/0832(A1), Condition No. 9].</i> B. For 32-H-102: NO_x emissions shall not exceed those achieved through the use of either low excess air and low NO_x technology or flue gas recirculation technology. <i>[Reference: 40 CFR 60.104(a)(1) dated 11/24/93].</i> C. For Units 32-H-101 & 32-H-103: NO_x emissions shall not exceed those achieved through an annual tune up performed by qualified personnel. <i>[Reference Reg. 12, Section 3.11/24/93].</i></p> <p>i. Operational Limitation: For Unit 32-H-102: Unit 32-H-102 shall be operated at a capacity factor less than 5 percent. <i>[Reference Reg. 12, Section 4.11/24/93].</i></p>	<p>CEMS</p> <p>ii. The H₂S CEMS shall comply with Performance Specification of 40 CFR 60, Appendix AB@.</p> <p>iii. Quality Assurance requirements for the H₂S CEMS shall be in accordance with the procedures described in 40 CFR Appendix AF@.</p> <p>iv. Recordkeeping: <i>[Reference Regulation No. 30 Section 6(a)(3)(i) dated 11/15/93]</i> The Company shall keep records of all H₂S CEMS calibration, maintenance, quarterly cylinder gas audits and annual accuracy test audits for at least five (5) years.</p> <p>i. Compliance Method: A. For 32-H-101: Compliance with the emission standard shall be demonstrated by conducting an annual stack test. <i>[Reference: APC-81/0832(A1), Condition No. 9].</i> B. For unit 32-H-102: Compliance demonstration with Emission Standard (B) and the operational limitation shall be demonstrated by record keeping. <i>[Reference Regulation No. 30 Section 6(a)(3)(i) dated 11/15/93].</i> C. For Units 32-H-101 and 32-H-103: Compliance demonstration with Emission Standard (C) shall be demonstrated by conducting an annual tune up performed by qualified personnel. The tune up for 32-H-101 shall be performed within a week of the annual stack test required by Emission Standard A. <i>[Reference Regulation No. 30 Section 6(a)(3)(i) dated 11/15/93].</i></p> <p>v. Monitoring & Testing: A. For Unit 32-H-101: None in addition to paragraph (i). B. For Unit 32-H-103: Conduct a tune up within ten (10) days of restarting the unit and an annual tune up as required by Condition 3 - Table 1(bb)(3)(i)(C) thereafter. C. The annual stack test shall conform to the procedure described in Reference Method 7 in 40 CFR 60, Appendix AA@. <i>[Reference Regulation No. 30 Section 6(a)(3)(ii) dated 11/15/93].</i></p>	<p>Reporting: In addition to those listed in Condition 3(c)(2) of this permit, the Company shall provide a thirty (30) day written notification of restart Units 32-H-102 and/or 32-H-103. <i>[Reference Regulation No. 30 Section 6(a)(3)(ii) dated 11/15/93].</i></p> <p>i. Certification Requirement: None in addition to those listed in Condition 3(c)(3) of this permit.</p>

Condition 3 - Table 1 (Specific Requirements)

Emission Limitation(s)/Standard(s) and/or Operational Limitation(s)/Standard(s)	Compliance Determination Methodology (Monitoring/Testing, QA/QC Procedures (as applicable) and Record Keeping)	Reporting/Compliance Certification
<p>4. Visible Emissions Standard: The Company shall not cause or allow the emission of visible air contaminants and/or smoke from any emission unit, the shade or appearance of which is greater than twenty (20) percent opacity for an aggregate of more than three (3) minutes in any one (1) hour or more than fifteen (15) minutes in any twenty-four (24) hour period. [Reference Reg. No. 14, Section 2.1, dated 7/ 17/ 84].</p>	<p>r. Recordkeeping: The company shall maintain the following records: A. All stack test data and results. B. A log of all tune ups performed. Documentation of qualifications of personnel responsible for conducting the tune ups. C. A log of average air input to Unit 32-H-102. [Reference Reg. No. 30 Section 6(a)(3)(ii) dated 11/15/93].</p> <p>. Compliance Method: Compliance shall be demonstrated by operation and maintenance of the emission units, monitoring requirements, and record keeping. [Reg. No. 30 Section 6(a)(3) dated 11/ 15/ 93].</p> <p>i. Monitoring/ Testing: u. In accordance with Subsection 1.5(c) of Regulation 1.5, the Company shall conduct visual observations at fifteen-second intervals of not less than one hour except that the observation may be discontinued whenever a violation of the standard is recorded. The additional procedures, qualification and equipment to be used for visually determining the opacity shall be specified in Section 2 & 3 (except for Section 2.5 second sentence of Section 2.4) of Reference Method 1.5 set forth in Appendix A, 40 CFR, Part 60, revised July 1993. [Reference Reg. No. 20, Section 1.5(c) dated 12/ 7/ 88].</p> <p>B. Visual observations in accordance with paragraph (A) above shall be conducted within one (1) week of the annual tune up or the time of any stack test but not less frequently than once every year. [Reference Reg. No. 30 Section 6(a)(3) dated 11/ 15/ 93].</p> <p>C. The Company shall conduct daily qualitative stack observations to determine the presence of any visible emissions whenever the unit is in operation.</p> <p>1. If visible emissions are observed, the Company shall take corrective actions and/ or conduct a visible observation in accordance with Paragraph (A) above.</p>	<p>. Reporting Requirement: All records indicating exceedance of the standard in accordance with Condition 3(c)(2).</p> <p>i. Certification Requirement: None in addition to Condition 3(c)(2).</p>

Condition 3 - Table 1 (Specific Requirements)

Emission Limitation(s)/Standard(s) and/or Operational Limitation(s)/Standard(s)	Compliance Determination Methodology (Monitoring/Testing, QA/QC Procedures (as applicable) and Record Keeping)	Reporting/Compliance Certification
<ul style="list-style-type: none">Emission Unit 33: Selective Hydrogenation Unit and Process 33-H-1 and 33-H-2; Emissions Points 33-1 and 33-2Particulate Matter Emission Standard: The Company shall not cause or allow the emission of particulate matter in excess of 0.3 lb/mmBTU heater maximum 2-hour average. [Reference: Regulation No. 4.1 dated 2/1/81].Operational Limitation: The Company shall only combust desulfurized RFG oil gas in units 33-H-1 and 33-H-2. [Reference Regulation No. 6(a)(3)(ii) dated 11/15/93].	<ul style="list-style-type: none">2. If no visible emissions are observed, no further required. [Reference Reg. No. 30 Section 6(a)(3) dated 11/15/93]i. Record keeping:<ul style="list-style-type: none">A. Observation records shall be maintained and made to the Department upon request.B. Records of all maintenance performed on these units be maintained and made available to the Department request.C. Records shall be kept documenting the fuel firing hours of operation for heater 32-H-102. [Reference Reg. No. 30, Section 6(a)(3)(i)(B) dated 11/15/93]i. Compliance Method: [Reference Regulation No. 30 Section 6(a)(3)(i)(B) dated 11/15/93]ii. Compliance with the emission standard is based on compliance with the NSPS limit of 0.1 grain/dscf limit of H₂S in RFG.iii. Compliance with the operational limitation is demonstrated by record keeping.i. Monitoring/Testing: The Company shall continuously monitor the H₂S concentration in the RFG. [Reference Regulation No. 30 Section 6(a)(3)(i)(B) dated 11/15/93]ii. Record Keeping: The Company shall maintain records of fuel usage in units 33-H-1 and 33-H-2. [Reference Regulation No. 30 Section 6(a)(3)(i)(B) dated 11/15/93]	<ul style="list-style-type: none">i. Reporting Requirement: All records indicating exceedance of emission standard in accordance with Condition 3(c)(2).ii. Certification Requirement: None in addition to Condition 3(c)(2).

Compliance Determination Methodology
Monitoring/Testing, QA/QC Procedures (as
applicable) and Record Keeping)

Emission Limitation(s)/Standard(s) and/or
Operational Limitation(s)/Standard(s)

For 33-H-2: NO_x emissions shall not exceed those through an annual tune up performed by qualified personnel. [Reference Reg. 12, Section 3.3(b) dated 11/24/93].

B. Documentation of qualifications of personnel responsible for

None in addition to those listed in Condition 3(c)(3) of th

Condition 3 - Table 1 (Specific Requirements)

Emission Limitation(s)/Standard(s) and/or Operational Limitation(s)/Standard(s)	Compliance Determination Methodology (Monitoring/Testing, QA/QC Procedures (as applicable) and Record Keeping)	Reporting/Compliance Certification
<p>4. Visible Emissions Standard: The Company shall not cause or allow the emission of contaminants and/or smoke from any emission unit, t or appearance of which is greater than twenty (20) opacity for an aggregate of more than three (3) minut one (1) hour or more than fifteen (15) minutes in any four (24) hour period. [Reference Reg. No. 14, Section 7/ 17/ 84].</p>	<p>conducting the tune up. [Reference Reg. No. 30 Section 6(a)(3)(i)(B) dated 11/15/93].</p> <p>. Compliance Method: Compliance shall be demonstrated operation and maintenance of the emission units, moni testing requirements, and record keeping. [Reg. No. 3 6(a)(3) dated 11/ 15/ 93].</p> <p>i. Monitoring/ Testing:</p> <p>A. In accordance with Subsection 1.5(c) of Regulatio conduct visual observations at fifteen-second inter period of not less than one hour except 1 observations may be discontinued whenever a vic the standard is recorded. The additional pro qualification and testing to be used for visually det the opacity shall be those specified in Section 2 & : for Section 2.5 and the second sentence of Sectio Reference Method 9 set forth in Appendix A, 40 (r 60, revised July 1, 1982. [Reference Reg. No. 20, Sec dated 12/ 7/ 88].</p> <p>B. Visual observations in accordance with paragraph (r shall be conducted within one (1) week after th tune-up. [Reference Reg. No. 30 Section 6(a)(3) dated 11/ 15/ 93].</p> <p>C. The Company shall conduct daily qualitativ observations to determine the presence of an emissions when the unit is in operation.</p> <p>1. If visible emissions are observed, the Company s corrective actions and/ or conduct a visible obse accordance with Paragraph (A) above.</p> <p>2. If no visible emissions are observed, no further required.</p> <p>[Reference Reg. No. 30 Section 6(a)(3) dated 11/ 15/ 93].</p> <p>t. Record Keeping:</p> <p>A. Observation records shall be maintained and made to the Department upon request.</p> <p>B. Records of all maintenance performed on these u be maintained and made available to the Departm</p>	<p>. Reporting Requirement: All records indicating exceedanc standard in accordance with Condition 3(c)(2).</p> <p>i. Certification Requirement: None in addition to Condition</p>

Condition 3 - Table 1 (Specific Requirements)

Emission Limitation(s)/Standard(s) and/or Operational Limitation(s)/Standard(s)	Compliance Determination Methodology (Monitoring/Testing, QA/QC Procedures (as applicable) and Record Keeping)	Reporting/Compliance Certification
	request. <i>[Reference Reg. No.30, Section 6(a)(3)(i)(B) dated 11/ 15/</i>	
i. Emissions Unit 34: Olefins Plant and Process Heater 1 Emission Point 34-1.		
1. Particulate Matter Emission Standard: The Company shall not cause or allow the emission of particulate matter in excess of 0.3 lb/mmBTU heat input on a maximum 2-hour average. <i>[Reference Reg. No. 4 Section 2/1/81].</i>	i. Compliance Method: <i>[Reference Regulation No. 30 Section 6(a)(3) dated 11/15/93]</i> A. Compliance with the emission standard is based on compliance with the NSPS limit of 0.1 grain/dscf limit in RFG. B. Compliance with the operational limitation shall be demonstrated by record keeping.	i. Reporting: None in addition to those listed in Condition 3(c)(2) of this permit. ii. Certification Requirement: None in addition to those listed in Condition 3(c)(3) of this permit.
Operational Limitation: The Company shall only combust desulfurized RFG or gas in unit 134-H-101. <i>[Reference: Reg. No. 30 Section 6(a)(3) dated 11/15/93].</i>	i. Monitoring/Testing: <i>[Reference Regulation No. 30 Section 6(a)(3) dated 11/15/93]</i> The Company shall continuously monitor the H ₂ S content in the RFG.	
	Record Keeping: <i>[Reference Regulation No. 30 Section 6(a)(3) dated 11/15/93]</i> The Company shall maintain fuel usage records of Unit 134-H-101.	
2. Sulfur Dioxide (SO₂) Emission Standards: The Company shall not purchase for use and shall not use fuel oil having a sulfur content greater than 1.0 percent by weight in Unit 134-H-101. <i>[Reference: Reg. No. 8, Section 2.1 dated 5/9/81].</i>	i. Compliance Method: <i>[Reference: Regulation No. 30 Section 6(a)(3) dated 11/15/93].</i> A. A Continuous Emissions Monitoring System (CEMS) shall be used to demonstrate compliance with the operational limitation. B. Compliance with the emission standard shall be based on compliance with operational limitation.	i. Reporting: None in addition to those listed in Condition 3(c)(2) of this permit. ii. Certification Requirement: None in addition to those listed in Condition 3(c)(3) of this permit.
i. Operational Limitation: The Company shall not burn in any fuel gas combustion device fuel gas that contains H ₂ S in excess of 0.1 grain/DSCF on a 12 month rolling average. <i>[Reference Reg. No. 20, Section 11 dated 11/27, CFR 60.104(a)(1) dated 10/2/90].</i>	i. Monitoring/Testing: <i>[Reference Reg. No. 30 Section 6(a)(3) dated 11/15/93]</i> A. The H ₂ S content in RFG shall be continuously monitored using CEMS B. The H ₂ S CEMS shall comply with Performance Specification 7 of 40 CFR 60, Appendix AB C. Quality Assurance requirements for the H ₂ S CEMS shall be in accordance with the procedures described in 40 CFR Appendix AF.	

Condition 3 - Table 1 (Specific Requirements)

Emission Limitation(s)/Standard(s) and/or Operational Limitation(s)/Standard(s)	Compliance Determination Methodology (Monitoring/Testing, QA/QC Procedures (as applicable) and Record Keeping)	Reporting/Compliance Certification
3. Nitrogen Oxides (NO_x) Operational Standard: For 134-H-101: NO _x emissions shall not exceed those through an annual tune up performed by qualified personnel. <i>[Reference Reg. 12, Section 3.3(b) dated 11/24/1993]</i>	<ul style="list-style-type: none">. Recordkeeping: <i>[Reference Reg. No. 30 Section 6(a)(3)(ii) dated 11/15/93]</i> The Company shall keep records of all H₂S CEMS calibration, maintenance, quarterly cylinder gas audits and annual accuracy test audits for at least five (5) years.. Compliance Method: <i>[Reference Regulation No. 30 Section 6(a)(3) dated 11/15/93]</i> For 134-H-101: Compliance demonstration with the O₃ Standard shall be by conducting an annual tune up of each unit by qualified personnel.i. Monitoring & Testing: <i>[Reference Regulation No. 30 Section 6(a)(3) dated 11/15/93]</i><ul style="list-style-type: none">A. For Unit 134-H-101: None in addition to the annual tune up required by the Operational Standard.B. Conduct a visible emissions evaluation after each annual tune up in accordance with Condition 1.d.b.4.i. Record Keeping: <i>[Reference Regulation No. 30 Section 6(a)(3) dated 11/15/93]</i> The company shall maintain the following records:<ul style="list-style-type: none">A. A log of all tune ups performed.B. Documentation of qualifications of personnel responsible for conducting the tune up.	<ul style="list-style-type: none">. Reporting None in addition to those listed in Condition 3(c)(2) permit.i. Certification Requirement: None in addition to those listed in Condition 3(c)(2) permit.
4. Visible Emissions Standard: The Company shall not cause or allow the emission of visible emissions, smoke, or steam from any emission unit, the opacity of which is greater than twenty (20) percent for an aggregate of more than three (3) minutes in any one (1) hour or more than fifteen (15) minutes in any four (24) hour period. <i>[Reference Reg. No. 14, Section 7/17/84].</i>	<ul style="list-style-type: none">. Compliance Method: Compliance shall be demonstrated by conducting visual observations at fifteen-second intervals and recording the results. The additional procedures, qualification and training requirements for personnel conducting the visual observations shall be specified in Section 2 & 3 (except for Section 2.4.2) of Reference Methodology. <i>[Reg. No. 14, Section 7/17/84].</i>i. Monitoring/ Testing:<ul style="list-style-type: none">A. In accordance with Subsection 1.5(c) of Regulation No. 14, the Company shall conduct visual observations at fifteen-second intervals for a period of not less than one hour except that the observation may be discontinued whenever a violation of the standard is recorded. The additional procedures, qualification and training requirements for personnel conducting the visual observations shall be specified in Section 2 & 3 (except for Section 2.4.2) of Reference Methodology.	<ul style="list-style-type: none">. Reporting Requirement: All records indicating exceedance of the standard in accordance with Condition 3(c)(2).i. Certification Requirement: None in addition to Condition 3(c)(2) permit.

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Condition 3 - Table 1 (Specific Requirements)

Emission Limitation(s)/Standard(s) and/or Operational Limitation(s)/Standard(s)	Compliance Determination Methodology (Monitoring/Testing, QA/QC Procedures (as applicable) and Record Keeping)	Reporting/Compliance Certification
<p>. Emissions Unit 36: Hydrocracker Unit, Process Heaters 36-2 and 36-H-3; Emission Points 36-1 and 36-2</p> <p>. Particulate Matter Emission Standard: The Company shall not cause or allow the emission of particulate matter in excess of 0.3 lb/mmBTU heat input on a maximum 2-hour average. [Reference: Regulation No. 4, dated 2/1/81]</p> <p>. Operational Limitation: The Company shall only combust desulfurized RFG oil gas in Units 36-H-1, 36-H-2 and 36-H-3. [Reference Regulation No. 30 Section 6(a)(3)(i)(B) dated 11/15/93]</p>	<p>forth in Appendix A, 40 CFR, Part 60, revised July 1988 [Reference Reg. No. 20, Section 1.5(c) dated 12/7/88]</p> <p>B. Visual observations in accordance with paragraph (A) shall be conducted within one (1) week of the anniversary date. [Reference Reg. No. 30 Section 6(a)(3) dated 11/15/93]</p> <p>C. The Company shall conduct daily qualitative stack observations to determine the presence of any visible emissions from each unit is in operation.</p> <p>1. If visible emissions are observed, the Company shall take corrective actions and/or conduct a visible observation in accordance with Paragraph (A) above.</p> <p>2. If no visible emissions are observed, no further action is required.</p> <p>[Reference Reg. No. 30 Section 6(a)(3) dated 11/15/93].</p> <p>t. Record keeping:</p> <p>A. Observation records shall be maintained and made available to the Department upon request.</p> <p>B. Records of all maintenance performed on these units shall be maintained and made available to the Department upon request.</p> <p>[Reference Reg. No. 30, Section 6(a)(3)(i)(B) dated 11/15/93]</p> <p>i. Compliance Method: [Reference Regulation No. 30 Section 6(a)(3)(i)(B) dated 11/15/93]</p> <p>ii. Compliance with the Emission Standard is based on compliance with the NSPS limit of 0.1 grain/dscf lineal feet in RFG.</p> <p>B. Compliance with the Operational Limitation demonstrated by record keeping.</p> <p>t. Monitoring/Testing: The Company shall continuously monitor the H₂S concentration in the RFG. [Regulation No. 30 Section 6(a)(3)(i)(B) dated 11/15/93]</p> <p>. Record Keeping:</p>	<p>i. Reporting None in addition to those listed in Condition 3(c)(2) of the permit.</p> <p>ii. Certification Requirement: None in addition to those listed in Condition 3(c)(3) of the permit.</p>

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Condition 3 - Table 1 (Specific Requirements)

Emission Limitation(s)/Standard(s) and/or Operational Limitation(s)/Standard(s)	Compliance Determination Methodology (Monitoring/Testing, QA/QC Procedures (as applicable) and Record Keeping)	Reporting/Compliance Certification
2. Sulfur Dioxide (SO₂) Emission Standard: The Company shall not purchase fuel that shall not use any fuel having a sulfur content greater than 1 percent by weight in emission Units 36-H-1, 36-H-2 and 36-H-3. [Reference Regulation No. 8, Section 2.1 dated 5/9/85]	The Company shall maintain fuel usage records of Units 36-H-2 and 36-H-3. [Regulation No. 30 Section 6(a)(3)(i)(B) dated 11/15/93] i. Compliance Method: [Regulation No. 30 Section 6(a)(3)(i) 11/15/93] A. A Continuous Emissions Monitoring System (CEMS) shall be used to demonstrate compliance with the operational limitation. B. Compliance with the emission standard shall be in accordance with the operational limitation.	i. Reporting None in addition to those listed in Condition 3(c)(2) of this permit. ii. Certification Requirement: None in addition to those listed in Condition 3(c)(3) of this permit.
i. Operational Limitation: The Company shall not burn in any fuel gas combustion device that contains more H ₂ S in excess of 0.1 grain/DSCF on a rolling average. [Reference Regulation No. 20, Section 11 dated 11/40 CFR 60.104(a)(1)]	i. Monitoring/Testing: [Regulation No. 30 Section 6(a)(3)(i) 11/15/93] A. The H ₂ S content in RFG shall be continuously monitored using CEMS. B. The H ₂ S CEMS shall comply with Performance Specification 7 of 40 CFR 60, Appendix AB. C. Quality Assurance requirements for the H ₂ S CEMS shall be in accordance with the procedures described in 40 CFR Appendix AF.	
3. Nitrogen Oxides (NO_x) i. Operational Limitation: For Units 36-H-1, 36-H-2 and 36-H-3: NO _x emissions shall not exceed those achieved through an annual tune up performed by qualified personnel. [Reference: Regulation 12, Section 3 11/24/1993]	i. Record Keeping: [Reference Reg. No. 30 Section 6(a)(3)(i) 11/15/93] The Company shall keep records of all H ₂ S CEMS calibration, maintenance, quarterly cylinder gas audits and annual accuracy test audits for at least five (5) years. ii. Compliance Method: For Units 36-H-1, 36-H-2 and 36-H-3: Compliance demonstration of the Operational Limitation shall be by conducting an annual tune up of each unit by qualified personnel. [Regulation No. 30 Section 6(a)(3)(i) 11/15/93] i. Monitoring & Testing: [Reference Regulation No. 30 Section 6(a)(3)(i) 11/15/93] For Units 36-H-1, 36-H-2 and 36-H-3: None in addition to those listed in Condition 3(c)(2) of this permit. B. Conduct a visible emissions evaluation after conclusion of the annual tune up in accordance with Condition 3 - Table 1.e.4.	i. Reporting None in addition to those listed in Condition 3(c)(2) of this permit. ii. Certification Requirement: None in addition to those listed in Condition 3(c)(3) of this permit.

Condition 3 - Table 1 (Specific Requirements)

Emission Limitation(s)/Standard(s) and/or Operational Limitation(s)/Standard(s)	Compliance Determination Methodology (Monitoring/Testing, QA/QC Procedures (as applicable) and Record Keeping)	Reporting/Compliance Certification
4. Visible Emissions Standard: The Company shall not cause or allow the emission of contaminants and/or smoke from any emission unit, t or appearance of which is greater than twenty (20) opacity for an aggregate of more than three (3) minut one (1) hour or more than fifteen (15) minutes in any four (24) hour period. [Reference Reg. No. 14, Section 7/ 17/ 84].	<p>i. Record Keeping: [Reference Regulation No. 30 Section 6(a)(11/15/93] The company shall maintain the following records: A. A log of all tune ups performed B. Documentation of qualifications of personnel res for conducting the tune up.</p> <p>. Compliance Method: Compliance shall be demonstrated operation and maintenance of the emission units, monit testing requirements, and record keeping. [Reg. No. 3 6(a)(3) dated 11/ 15/ 93].</p> <p>i. Monitoring/ Testing: A. In accordance with Subsection 1.5(c) of Regulatio conduct visual observations at fifteen-second inter period of not less than one hour except 1 observations may be discontinued whenever a vic the standard is recorded. The additional pro qualification and testing to be used for visually det the opacity shall be those specified in Section 2 & : for Section 2.5 and the second sentence of Sectio Reference Method 9 set forth in Appendix A, 40 (60, revised July 1, 1982. [Reference Reg. No. 20, Sec dated 12/ 7/ 88].</p> <p>'visual observations in accordance with paragraph (A) ab be conducted within one (1) week of the annual [Reference Reg. No. 30 Section 6(a)(3) dated 11/ 15/ 93] Company shall conduct daily qualitative stack obser determine the presence of any visible emissions whe is in operation.</p> <p>1. If visible emissions are observed, the Company corrective actions and/ or conduct a visible obse accordance with Paragraph (A) above.</p> <p>2. If no visible emissions are observed, no further required.</p> <p>[Reference Reg. No. 30 Section 6(a)(3) dated 11/ 15/ 93]</p>	<p>. Reporting Requirement: All records indicating exceedanc standard in accordance with Condition 3(c)(2).</p> <p>i. Certification Requirement: None in addition to Condition</p>

Condition 3 - Table 1 (Specific Requirements)

Emission Limitation(s)/Standard(s) and/or Operational Limitation(s)/Standard(s)	Compliance Determination Methodology (Monitoring/Testing, QA/QC Procedures (as applicable) and Record Keeping)	Reporting/Compliance Certification
<p>a. Emissions Unit 40: Refinery Tank Farm Units With External Roofs with Double Seals Subject to 40 CFR part 63, Subpart 40 CFR part 60, Subpart Kb: Tanks 044-TF-112, 050-TF-78, 065-TF-78, 563-TF-M, 564-TF-M, 565-TF-M and 566-TF-M. (They are Group 1 MACT tanks that are to comply with the provisions of 40 CFR part 60, subpart Kb except as provided for in paragraphs 63.640(n)(8)(i) through 63.640(n)(8)(vi).</p>	<p>t. Record keeping:</p> <p>A. Observation records shall be maintained and made available to the Department upon request.</p> <p>B. Records of all maintenance performed on these units shall be maintained and made available to the Department upon request. [Reference Reg. No.30, Section 6(a)(3)(i)(B) dated 11/15/93]</p>	
<p>1. Volatile Organic Compounds (VOC)</p> <p>Equipment Standards:</p> <p>A. The primary mechanical shoe-type seal shall completely seal the annular space, except as provided in 60.113b(b)(4), between the edge of the floating roof and the tank wall. [Reference: 40 CFR 60.112b(a)(2)(i)(A) dated 8/11/1989 and 40 CFR 63.119 (c)(1) dated 1/17/1997].</p> <p>B. Primary seal gap measurement shall not exceed 1.27 cm²/meter of tank diameter and the width of any part of the gap shall not exceed 3.81 cm. [Reference: 40 CFR 60.112b(a)(2)(i)(A) dated 8/11/1989 and 40 CFR 63.120(b)(3) dated 1/17/1997].</p> <p>C. The secondary rim mounted seal shall completely seal the annular space between the external floating roof and the storage vessel except as allowed by 60.113b(b)(4). [Reference: 40 CFR 60.112b(a)(2)(i)(B) dated 8/11/1989 and 40 CFR 63.120(b)(3) dated 1/17/1997].</p> <p>D. Secondary seal gap measurement shall not exceed 1.27 cm²/meter of tank diameter and the width of any part of the gap shall not exceed 1.27 cm. [Reference: 40 CFR 60.112b(a)(2)(i)(B) dated 8/11/1989 and 40 CFR 63.120(b)(4) dated 1/17/1997].</p> <p>E. There shall be no holes, tears or other openings in the shoe, seal fabric or seal envelope of both primary and secondary seals. [Reference: 40 CFR 60.113b (b)(4)(i)(B) dated 8/11/1989 and 40 CFR 63.120(b)(4) dated 1/17/1997].</p>	<p>i. Compliance Methodology:</p> <p>.. Compliance with Equipment Standard (B) shall be demonstrated by measuring the seal gap with a diameter uniform probe in accordance with 60.113b(b)(2). [Reference: 40 CFR 60.112b (a)(2)(i)(A) dated 8/11/1989 and 40 CFR 63.120(b)(3) dated 1/17/1997].</p> <p>.. Compliance with Equipment Standard (A) shall be demonstrated by measuring the seal gap with a diameter uniform probe in accordance with 60.113b(b)(2). [Reference: 40 CFR 60.112b (a)(2)(i)(A) dated 8/11/1989 and 40 CFR 63.120(b)(3) dated 1/17/1997].</p> <p>.. Compliance with Equipment Standard (D) shall be demonstrated by measuring the seal gap with a diameter uniform probe in accordance with 60.113b(b)(2). [Reference: 40 CFR 60.112b (a)(2)(i)(A) dated 8/11/1989 and 40 CFR 63.120(b)(3) dated 1/17/1997].</p> <p>.. Compliance with Equipment Standard (C) shall be demonstrated by measuring the seal gap with a diameter uniform probe in accordance with 60.113b(b)(2). [Reference: 40 CFR 60.112b (a)(2)(i)(A) dated 8/11/1989 and 40 CFR 63.120(b)(3) dated 1/17/1997].</p> <p>.. Compliance with Equipment Standard (E) shall be demonstrated by conducting periodic inspections as required in paragraph (iv) below. [Reference: 40 CFR Part 60.113b(b)(4) dated 8/11/89 and 40 CFR 63.120(b)(8) dated 1/17/97].</p> <p>.. Compliance with Operational Limitation (A) shall be demonstrated by monitoring/testing and record keeping.</p>	<p>i. Reporting:</p> <p>.. In addition to those required by Condition 3(c)(2) of this permit, the Company shall:</p> <p>.. For all inspections required by Section 60.113b(b)(4), the Company shall provide a 15 day telephone notification to the administrator to afford the opportunity to inspect the storage vessel prior to refilling. [Reference Regulation No. 6(a)(3)(ii) dated 11/15/93 and 40 CFR 63.646(l) dated 2/21/97]</p> <p>.. Within 60 days of performing the gap measurements required by Section 60.113b(b)(1), submit a report containing:</p> <p>Regulation No. 30 Section 6(a)(3)(ii) dated 11/15/93]</p> <p>1. The date of measurement</p> <p>2. The raw data obtained in the measurement</p> <p>3. The calculations described in Section 60.113b(b)(2) and (3)</p> <p>.. After each seal gap measurement that detects gaps exceeding the limitation specified in Section 60.113b(b)(4) submit the report within 30 days of the inspection. The report shall identify the storage vessel and contain the information specified in 60.115b(b)(2) and the date the vessel was emptied and repairs made and date of repair. [Reference Regulation No. 6(a)(3)(ii) dated 11/15/93]</p> <p>.. The Company shall submit the reports listed below: [Reference CFR 63.654(e) dated 8/18/1998]</p>

Condition 3 - Table 1 (Specific Requirements)

Emission Limitation(s)/Standard(s) and/or Operational Limitation(s)/Standard(s)	Compliance Determination Methodology (Monitoring/Testing, QA/QC Procedures (as applicable) and Record Keeping)	Reporting/Compliance Certification
<i>and 40 CFR 63.120(b)(6)(ii) dated 1/17/1997].</i>	<i>[Reference Regulation No. 30 Section 6(a)(3)(i)(B) dated 11/15/93</i>	
<p>i. Operational Limitations:</p> <p>A. The external floating roofs shall rest on the surface of the liquid at all times except during initial fill until the roof is off the leg supports and when the tank is completely empty and subsequently refilled. The process of filling empty tanks and refilling when the roof is resting on the leg supports shall be continuous and shall be accomplished as rapidly as possible. <i>[Reference: 40 CFR 60.112b(a)(2)(iii) dated 8/11/1989 and 40 CFR 63.119(c)(3) & (4) dated 1/17/1997].</i></p> <p>B. Except for automatic bleeder vents and rim space vents, all roof drains and leg sleeves, each opening in the roof shall be equipped with a gasketed cover that is to be closed at all times except when the device is in actual use. <i>[Reference: 40 CFR 60.112b(a)(2)(ii) dated 8/11/1989 and 40 CFR 63.119(b)(5) dated 1/17/1997].</i></p> <p>C. The tanks shall not store petroleum liquid unless they are operating properly. <i>[Reference: APC-80/0869(A5)].</i></p> <p>D. The maximum true vapor pressure of the stored petroleum liquid shall not exceed 11.1 psia. <i>[Reference: 40 CFR 60.112b(a)(2)(iii) dated 8/11/1989 and 40 CFR 63.641 dated 1/17/1997].</i></p> <p>E. Any storage vessel that has continuously been out of service since before August 18, 1998, shall not be returned to service until it satisfies the applicable MACT requirements in 40 CFR part 63, Subpart CC. <i>[Reference: 40 CFR Part 63, Subpart CC Section 63.640 (h)(4) dated 6/12/1996].</i></p>	<p><i>dated 11/15/93</i></p> <p>i. Compliance with Operational Limitation (B) shall be demonstrated by conducting periodic inspections as specified in paragraph (iv) below.</p> <p>ii. Compliance with Operational Limitation (C) shall be demonstrated by conducting periodic inspections as specified in paragraph (iv) below. If defects are identified during inspection, the Company shall make necessary repairs and empty the storage vessel within 45 days of identification of the defect.</p> <p>iii. Compliance with Operational Limitation (D) shall be demonstrated by monitoring/testing and recordkeeping.</p> <p>iv. Compliance with Operational Limitation (E) shall be demonstrated by satisfying the notification and recordkeeping requirements.</p> <p>f. Monitoring/Testing:</p> <p>1. The primary seal gap area measurement shall be performed once every 5 years. <i>[Reference: 40 CFR Part 60, Subpart F, 60.113b(b)(1)(i) dated 8/11/89 and 40 CFR 63.120(b)(1)(i) dated 1/17/97].</i></p> <p>2. The secondary seal gap area measurement shall be performed annually. <i>[Reference: 40 CFR 60.113b(b)(1)(iii) dated 8/11/89].</i></p> <p>3. Visually inspect the external floating roof, primary and secondary seals, and fittings each time the vessel is filled and degassed. <i>[Reference: 40 CFR 60.113b(b)(6) dated 1/17/97].</i></p> <p>4. If the external floating roof has defects, the primary seal tears, or other openings in the seal or the seal fabric, or the seal has holes, tears, or other openings in the seal or the seal fabric, the Company shall repair the items as necessary so that no conditions specified in the paragraph exist before filling or refilling the storage vessel with VOL. <i>[Reference: 40 CFR 60.113b(b)(6) dated 1/17/97].</i></p> <p>5. Comply with the reporting requirements specified in paragraph (vi)(A) of this section.</p> <p>g. Record Keeping:</p> <p>1. Keep a record of seal gap measurement performed as specified by Section 60.113b(b). Each record shall identify the</p>	<p>1. A Notification of Compliance Status report as described in 40 CFR 63.654(f);</p> <p>2. Periodic Reports as described in 40 CFR 63.654(g);</p> <p>3. Other reports as described in 40 CFR 63.654(h).</p> <p>4. In the event an out of service tank is being returned to service, the Company shall comply with the reporting requirements in 40 CFR 63.654.</p> <p>5. The notification required in 40 CFR 60.113b(b)(6) for tanks subject to the requirements in 40 CFR 60.113b(b)(6).</p> <p>ii. Certification:</p> <p>None in addition to Condition 3(c)(3) of this permit</p>

Condition 3 - Table 1 (Specific Requirements)

Emission Limitation(s)/Standard(s) and/or Operational Limitation(s)/Standard(s)	Compliance Determination Methodology (Monitoring/Testing, QA/QC Procedures (as applicable) and Record Keeping)	Reporting/Compliance Certification
fb. Emission Unit 40: Refinery Tank Farm Units With External Floating Roofs with Double Seals Subject to 40 CFR part 63, Subpart CC and 40 CFR part 60, Subpart Ka: Tanks 009-TF-400, 227-TF-400, 333-TF-4, 334-TF-4, 580-TF-10 (All tanks are Group 1 MACT tanks that are to comply with the provisions of 40 CFR part 63, subpart CC as	<p>vessel on which the measurement was performed contain: [Reference Regulation No. 30 Section 6(a)(3)(i)(B) date and 40 CFR 60.115b(b) dated 8/11/89].</p> <ol style="list-style-type: none">1. The date of measurement2. The raw data obtained in the measurement3. The calculations described in Section 60.113b(b)(2) a <p>Records showing the dimension of the storage vess analysis showing the capacity of the storage vessel Regulation No. 30 Section 6(a)(3)(i)(B) dated 11/15/93 and 40 CFR dated 8/11/89].</p> <p>Records of the VOL stored, the period of storage maximum true vapor pressure during the period.[Reference Regulation No. 30 Section 6(a)(3)(i)(B) dated 11 40 CFR 60.115b(b) dated 8/11/89].</p> <p>Each owner or operator subject to the storag provisions in ' 63.646 shall keep the records spec 63.123 of subpart G of this part except as spe paragraphs (i)(1)(i)through (i)(1)(iv) of this section:[Re CFR 60.654(i) dated 8/18/98].</p> <ol style="list-style-type: none">1. Records related to gaskets, slotted membranes, and sl are not required for storage vessels within existing sc2. All references to '63.122 in '63.123 of subpart G of this pa replaced with '63.654(e),3. All references to '63.150 in '63.123 of subpart G of this pa replaced with '63.652. <p>If a storage vessel is determined to be Group 2 bec weight percent total organic HAP of the stored liqu than or equal to 4 percent for existing sources or 2 pe new sources, a record of any data, assumptic procedures used to make this determination shall be [Reference: 40 CFR 63.654(i)(1)(iv) dated 8/18/98].</p>	

Condition 3 - Table 1 (Specific Requirements)

Compliance Determination Methodology

Emission Limitation(s)/Standard(s) and/or
Operational Limitation(s)/Standard(s)

(Monitoring/Testing, QA/QC Procedures (as
applicable) and Record Keeping)

Reporting/Compliance Certification

provided by 63.640(n)(5)

1. Volatile Organic Compounds (VOC)

Equipment Standards:

- A. The primary mechanical shoe-type seal shall completely seal the annular space, except as provided in 60.112a(a)(1)(ii)(D), between the edge of the floating roof and the tank wall. [Reference: 40 CFR 60.112a(a)(1) dated 12/18/80 and 40 CFR 63.119 (c)(1) dated 1/17/1997].
- B. Primary seal gap measurement shall not exceed 3.81 cm²/meter of tank diameter and the width of any part of the gap shall not exceed 3.81 cm. [Reference: 60.112a(a)(1)(ii)(A)] dated 12/18/80 and 40 CFR 63.120(b)(1) dated 1/17/1997].
- C. The secondary rim mounted seal shall completely seal the annular space between the external floating roof and the storage vessel except as allowed by 60.112a(a)(1)(ii)(B). [Reference: 40 CFR 60.112a(a)(1)(ii) dated 12/18/80 and 40 CFR 63.120(b)(3) dated 1/17/1997].
- D. Secondary seal gap measurement shall not exceed 1.27 cm²/meter of tank diameter and the width of any part of the gap shall not exceed 1.27 cm. [Reference: 40 CFR 60.112a(a)(1)(ii)(B) dated 12/18/80 and 40 CFR 63.120(b)(4) dated 1/17/1997].
- E. There shall be no holes, tears or other openings in the shoe, seal fabric or seal envelope of both primary and secondary seals. [Reference: 40 CFR 60.112a(a)(1)(ii)(C) dated 12/18/80 and 40 CFR 63.120(b)(6)(ii) dated 1/17/1997].

Operational Limitation: A. The external floating roofs shall remain in contact with the surface of the liquid at all times except during initial fill until the roof is lifted off the leg supports and when the tank is completely emptied and subsequently refilled. The process of filling or refilling when the roof is resting on the leg supports shall be continuous and shall be accomplished as rapidly as practicable. [Reference: 40 CFR 60.112a(a)(1) dated 12/18/80 and 40 CFR 63.120(b)(1) dated 1/17/1997].

- F. Except for automatic bleeder vents and rim space vents, each opening in the roof

i. Compliance Method:

1. Compliance with Equipment Standard (B) shall be demonstrated by measuring the seal gap with a 0.32 cm diameter probe in accordance with Section 60.113a(a)(1)(ii). [Reference: 40 CFR 60.112a(a) dated 8/18/80 and 40 CFR 63.120(b)(3) dated 1/17/1997].
2. Compliance with Equipment Standard (A) shall be demonstrated by compliance with equipment standard (B). [Reference: 40 CFR 60.112a(a)(1)(ii)(A) dated 8/11/89 and 40 CFR 63.120(b)(3) dated 1/17/1997].
3. Compliance with Equipment Standard (D) shall be demonstrated by measuring the seal gap with a 0.32 cm diameter uniform probe in accordance with Section 60.113a(a)(1)(ii). [Reference: 40 CFR 60.112a(a)(1)(ii)(A) dated 8/11/89 and 40 CFR 63.120(b)(3) dated 1/17/1997].
4. Compliance with Equipment Standard (C) shall be demonstrated by compliance with Equipment Standard (D). [Reference: 40 CFR 60.112a(a)(1)(ii)(A) dated 8/11/89 and 40 CFR 63.120(b)(3) dated 1/17/1997].
5. Compliance with Equipment Standard (E) shall be demonstrated by conducting periodic inspections in accordance with the Monitoring/Testing requirements of this section.
6. Compliance with Operational Limitations (A) and (D) shall be demonstrated by monitoring/testing and record keeping.
7. Compliance with Operational Limitations (B) and (C) shall be demonstrated by conducting periodic inspections in accordance with paragraph (iv) below.
8. Compliance with Operational Limitation (E) shall be demonstrated by satisfying the notification and reporting requirements.

ii. Monitoring/Testing: [Reference: 40 CFR 60.113a(a)(1) dated 12/18/80 and 40 CFR 63.120(b)(1)(i) dated 1/17/1997].

1. The primary seal gap area measurement shall be performed once every 5 years.
2. The secondary seal gap area measurement shall be performed annually.
3. Visually inspect the external floating roof, primary and secondary seals, and fittings each time the vessel is emptied and degassed.

i. Reporting:

In addition to those required by Condition 3(c)(2) of this permit, the Company shall:

1. For all inspections required by Section 60.113a(a), provide 24-hour telephone notification to allow the administrator to inspect the storage vessel before refilling. [Reference: Regulation No. 30 Section 6(a)(3)(ii) dated 11/15/99 and 40 CFR 63.646(l) dated 2/21/97]

B. Within 60 days of performing the gap measurements required by Section 60.113a(a), submit a report containing:

1. The date of measurement
2. The raw data obtained in the measurement
3. The calculations described in 40 CFR 60.113a(a)(1)(ii) dated 11/15/99. [Reference: Regulation No. 30 Section 6(a)(3)(ii) dated 11/15/99]

When seal gap measurements exceed those specified in 60.112a(a)(1)(i), a report shall be furnished within 60 days of the date of seal gap measurements. The report shall describe the actions necessary to bring the storage vessel into compliance with the specification of Section 60.112a. The report shall also describe the actions necessary to bring the storage vessel into compliance with the specification of Section 60.112a. [Reference: Regulation No. 30 Section 6(a)(3)(ii) dated 11/15/99]

The Company shall submit the reports listed below for the Tanks: [Reference: 40 CFR 63.654 (e) dated 8/18/1998]

1. A Notification of Compliance Status report in accordance with '63.654(f);
2. Periodic Reports in accordance with '63.654(g); and
3. Other reports in accordance with '63.654(h).
4. In the event an out of service tank is being returned to service, the Company shall comply with the reporting requirements in '63.654.

ii. Certification:

None in addition to Condition 3(c)(3) of this permit.

Condition 3 - Table 1 (Specific Requirements)

Emission Limitation(s)/Standard(s) and/or Operational Limitation(s)/Standard(s)	Compliance Determination Methodology (Monitoring/Testing, QA/QC Procedures (as applicable) and Record Keeping)	Reporting/Compliance Certification
<p>equipped with a gasketed cover that is to be closed times except when the device is in actual use. [Reference: 60.112a(a)(1)(iii) dated 12/18/80 and 40 CFR 63.119(b)(5) 1/17/1997].</p> <p>G. The tanks shall not store petroleum liquid unless they are operating properly. [Reference: APC-80/0869(A5)].</p> <p>H. The maximum true vapor pressure of the stored petroleum liquid shall not exceed 11.1 psia. [Reference: 40 CFR 63.641 dated 1/17/1997].</p> <p>I. Any storage vessel that has continuously been out of service since before August 18, 1998, shall not be returned to service until it satisfies the applicable MACT requirements of 40 CFR part 63, Subpart CC. [Reference: 40 CFR Part 63, Subpart CC, Section 63.640(h)(4) dated 6/12/1996].</p>	<p>Recordkeeping:</p> <ul style="list-style-type: none">1. Keep a record of seal gap measurement performed as required by '60.113a(a). Each record shall identify the storage vessel in which the measurement was performed and shall contain: [Reference: 60.115a(a) dated 4/4/80].<ul style="list-style-type: none">1. The date of measurement2. The raw data obtained in the measurement3. The calculations described in Section 60.113b(b)(2) and the results of the calculations2. Records showing the dimension of the storage vessel and analysis showing the capacity of the storage vessel [Reference: Regulation No. 30 Section 6(a)(3)(i)(B) dated 11/15/93 and 40 CFR 63.640(a) dated 4/4/80].3. Records of the VOL stored, the period of storage and the maximum true vapor pressure during the period. [Reference: Regulation No. 30 Section 6(a)(3)(i)(B) dated 11/15/93 and 40 CFR 60.115a(a) dated 4/4/80].4. Each owner or operator subject to the storage vessel provisions in '63.646 shall keep the records specified in '63.646 of this part except as specified in paragraph (i)(1)(i) through (i)(1)(iv) of this section: [Reference: 40 CFR 63.646(a) dated 8/18/98].<ul style="list-style-type: none">1. Records related to gaskets, slotted membranes, and seals are not required for storage vessels without these components.2. All references to '63.122 in '63.123 of subpart G of this part shall be replaced with '63.654(e),3. All references to '63.150 in '63.123 of subpart G of this part shall be replaced with '63.652.5. If a storage vessel is determined to be Group 2 because the weight percent total organic HAP of the stored liquid is more than or equal to 4 percent for existing sources or 2 percent for new sources, a record of any data, assumptions, and procedures used to make this determination shall be maintained. [Reference: 40 CFR 63.654(i)(1)(iv) dated 8/18/98].	
<p>fc. Emission Unit 40: Refinery Tank Farm Units With External Floating Roofs with Double and Single Seals Subject to Regulation 24, Section 30 and 40 CFR part 63, Subpart CC:</p>		

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Emission Limitation(s)/Standard(s) and/or Operational Limitation(s)/Standard(s)	Compliance Determination Methodology (Monitoring/Testing, QA/QC Procedures (as applicable) and Record Keeping)	Reporting/Compliance Certification
<div><p>Tanks 001-TF-200, 002-TF-200, 003-TF-200, 004-TF-200, 005-TF-200, 006-TF-200, 007-TF-200, 008-TF-200, 009-TF-400, 10-TF-274, 11-TF-274, 12-TF-274, 044-TF-12, 048-TF-112, 050-TF-78, 051-TF-78, 065-TF-50, 072-TF-50, 073-TF-78, 135-TF-78, 136-TF-78, 137-TF-78, 145-TF-78, 146-TF-78, 147-TF-78, 161-TF-78, 162-TF-78, 163-TF-153, 165-TF-153, 166-TF-112, 167-TF-50, 181-TF-78, 182-TF-78, 183-TF-153, 185-TF-153, 186-TF-112, 187-TF-50, 203-TF-112, 204-TF-50, 205-TF-153, 223-TF-112, 224-TF-112, 225-TF-153, 227-TF-400, 241-TF-50, 242-TF-153, 243-TF-112, 248-TF-200, 261-TF-50, 262-TF-153, 263-TF-112, 268-TF-200, 281-TF-200, 282-TF-200, 283-TF-200, 284-TF-200, 285-TF-200, 286-TF-200, 333-TF-4, 334-TF-4, 560-TF-30, 561-TF-20, 563-TF-M, 564-TF-M, 565-TF-M, 566-TF-M, 580-TF-10 (Tanks 51-TF-78, 560-TF-30 and 561-TF-20 are Group 2 MACT Tanks; All remaining tanks are Group 1 MACT Tanks)</p></div> <p>1. Volatile Organic Compounds (VOC)</p> <p>i. Emission Standard: The emissions from Tanks 001-TF-200, 002-TF-200, 003-TF-200, 005-TF-200, 006-TF-200, 007-TF-200, 008-TF-200, 9-TF-400, 10-TF-274, 12-TF-274 shall not exceed 27 tons of VOCs in any consecutive months. [Reference: <u>80/0870(A3)</u> Cond. 1].</p> <p>ii. Equipment Standards: With the exception of Tanks 051-TF-78, 166-TF-112, 241-TF-50, 112, 248-TF-200, 263-TF-112, 268-TF-200, 282-TF-200, 284-TF-200, 285-TF-200, 286-TF-200, 560-TF-30 and 561-TF-20, the following equipment standards are applicable: [Reference: <u>Regulation 24 Section 30.c.3.i.</u> dated 11/29/94 and 40 CFR 63.119 and 63.120(b)(1) dated 1/17/1997].</p> <p>A. The primary mechanical shoe-type seal shall completely cover the annular space between the edge of the floating roof and the tank wall.</p> <p>B. Primary seal gap measurement shall not exceed 212 cm² tank diameter and the width of any portion of the gap shall not exceed 3.81 cm.</p> <p>C. The secondary rim mounted seal shall completely cover the annular space between the external floating roof and</p>	<p>i. Compliance Method:</p> <p>A. Compliance with the Emission Standard shall be demonstrated either by using EPA's TANKS 3.1 procedure or an updated equivalent methodology approved by the Department, using monthly liquid throughput divided by the monthly average storage temperature of each tank. [Reference: <u>80/0870(A3)</u> Cond. 1].</p> <p>B. Compliance with Equipment Standard (B) shall be demonstrated by measuring the seal gap with a diameter uniform probe as described in Regulation 24, Section 30(c)(2). [Reference: <u>Regulation 24, Section 30 (c)(2)</u> dated 11/29/94 and 40 CFR 63.120(b)(3) dated 1/17/97].</p> <p>C. Compliance with Equipment Standard (A) shall be demonstrated by compliance with Equipment Standard (B). [Reference: <u>Regulation 24, Section 30 (c)(2)</u> dated 11/29/94 and 40 CFR 63.120(b)(1) dated 1/17/97].</p> <p>D. Compliance with Equipment Standard (D) shall be demonstrated by measuring the seal gap with a diameter uniform probe in accordance with Regulation 24, Section 30(c)(2). [Reference: <u>40 CFR 63.120(b)(4)</u> dated 1/17/97].</p> <p>E. Compliance with Equipment Standard (C) shall be demonstrated by compliance with Equipment Standard (D). [Reference: <u>Regulation 24, Section 30(c)(2)</u> dated 11/29/94 and 40 CFR 63.120(b)(1) dated 1/17/97].</p>	<p>ii. Reporting:</p> <p>A. For all inspections, provide a 15 day telephone notification to allow the administrator to afford the opportunity to observe the storage vessel prior to refilling. [Reference: <u>Regulation 24 Section 6(a)(3)(ii)</u> dated 11/15/93 and 40 CFR 63.646(l) dated 2/2/93].</p> <p>B. Within 60 days of performing the gap measurement required by Regulation 24, Section 30(c), submit a report containing:</p> <ol style="list-style-type: none">1. The date of measurement.2. The raw data obtained in the measurement.3. The calculations described in Regulation 24, Section 30(f). <p>[Reference: <u>Regulation 24 Section 30(f)</u> dated 11/15/93].</p> <p>C. When seal gap measurements exceed those specified in Regulation 24, section 30(c), a report shall be furnished within 60 days of the date of seal gap measurements. The report shall identify the vessel and list each reason why the vessel does not meet the specification of Section 30(f). The report shall describe the actions necessary to bring the storage vessel into compliance with the specification of Section 30(f). [Reference: <u>Regulation 24 Section 30(f)</u> dated 11/29/94 and Regulation 24 Section 6(a)(3)(ii) dated 11/15/93].</p>

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Emission Limitation(s)/Standard(s) and/or Operational Limitation(s)/Standard(s)	Compliance Determination Methodology (Monitoring/Testing, QA/QC Procedures (as applicable) and Record Keeping)	Reporting/Compliance Certification
<p>of the storage vessel. C. Secondary seal gap measurement shall not exceed 21.2 cm²/meter of tank diameter width of any portion of the gap shall not exceed 1.2</p> <p>D. There shall be no holes tears or other openings in the shoe, seal fabric or seal envelope of both primary and secondary seals.</p> <p>E. All openings in the external floating roof, except for bleeders, vents, rim space vents and leg sleeves are equipped with:</p> <ol style="list-style-type: none">1. Covers, seals or lids in the closed position except when openings are in actual use.2. Projections into the tank that remain below the liquid level at all times. <p>ii. Operational Limitations:</p> <p>A. Automatic bleeder vents are closed at all times except when the roof is being floated off or being landed on the supports. [Reference: Regulation 24, Section 30.c.4. dated 11/25/97; 40 CFR 63.119(c)(5)(iii) dated 1/17/1997].</p> <p>B. Rim space vents must be open or set at the manufacturer's recommended setting when the roof is being floated on leg supports. [Reference: Regulation 24, Section 30.c.5. dated 11/25/97].</p> <p>C. Emergency roof drains are provided with slotted metal fabric covers or equivalent covers that cover at least 75 percent of the area of the opening. [Reference: Regulation 30.c.6. dated 11/29/94 40 CFR 63.119(c)(2)(vi) dated 1/17/1997].</p> <p>D. The practice of pumping of crude oil from one tank to another shall be minimized in an effort to control the emissions of VOCs. [Reference: <u>APC-80/0870(A3)</u> Cond. 4].</p> <p>E. Tanks 48-TF-112 and 51-TF-78 shall contain only petroleum liquids with a maximum true vapor pressure of less than 1.0 psia (7.0 kPa). If the maximum true vapor pressure is greater than 1.0 psia (7.0 kPa), then the tank(s) shall comply with Regulation No. 24 Section 30 as applicable. [Reference: <u>80/0869(A5)</u> Cond. No. 7].</p> <p>F. Tanks 166-TF-112, 241-TF-50, 243-TF-112, 248-TF-112, 268-TF-200, 282-TF-200, 283-TF-200, 284-TF-200, 285-TF-200, 286-TF-200, 560-TF-30 and 561-TF-20 shall</p>	<p>24, Section 30 ((c)(2) dated 11/29/94 and 40 CFR 63.120(l)(1)(17/97).</p> <p>F. Compliance with Equipment Standards (E) and (F) shall be demonstrated by conducting periodic inspections in accordance with the Monitoring/Testing requirements in section. [Reference Reg. No. 30 Section 6(a)(3) dated 11/15/93].</p> <p>G. Compliance with Operational Limitations (A) and (D) shall be demonstrated by monitoring/testing and record keeping. [Reference Reg. No. 30 Section 6(a)(3) dated 11/15/93].</p> <p>H. Compliance with Operational Limitations (B) and (C) shall be demonstrated by conducting periodic inspections as described in paragraph (v) below. [Reference Reg. No. 30 Section 6(a)(3) dated 11/15/93].</p> <p>I. Compliance with Operational Limitation (E) shall be demonstrated upon compliance with record keeping. [Reference Reg. No. 30 Section 6(a)(3) dated 11/15/93].</p> <p>J. Compliance with Operational Limitation (F) shall be demonstrated upon compliance with record keeping. [Reference Reg. No. 30 Section 6(a)(3) dated 11/15/93].</p> <p>K. Compliance with Operational Limitation (G) shall be demonstrated by satisfying the notification and record keeping requirements. [Reference Regulation No. 30 Section 6(c)(1)(15/93)].</p> <p>L. Compliance of the tanks listed in Condition 3 - Table 1(fb) of this permit is based on compliance with the appropriate permit conditions in those sections. [Reference Regulation No. 30 Section 6(a)(3) dated 11/15/93]</p> <p>Monitoring/Testing:</p> <p>A. Perform semiannual inspections of the floating roof and fittings.</p> <p>B. Measure the primary seal gap as required in 40 CFR 63.120(b)(1)(i).</p> <p>C. Measure the secondary seal gap annually in accordance with Regulation 24, Section 30(f). [Reference Regulation No. 30 Section 6(a)(3)(i)(B) dated 11/15/93]</p>	<p>D. The Company shall submit the reports listed below for MACT Tanks: [Reference: 40 CFR 63.654(e) dated 8/18/1998]</p> <ol style="list-style-type: none">1. A Notification of Compliance Status report in accordance with 40 CFR 63.654(f);2. Periodic Reports in accordance with 40 CFR 63.654(f);3. Other reports in accordance with 40 CFR 63.654(f);4. In the event an out of service tank is being returned to HAP service, the Company shall comply with the requirements in 40 CFR 63.654(f). <p>E. Submit quarterly reports of the rolling twelve month emissions from the crude tank farm as calculated using the methodology described in Compliance Method (A). The report shall be due by April 30, 2001 and subsequent reports shall be due at quarterly intervals thereafter. [Reference: <u>80/0870(A3)</u>]</p> <p>ii. Certification:</p> <p>None in addition to Condition 3(c)(3) of this permit.</p>

(Monitoring/Testing, QA/QC Procedures (as applicable) and Record Keeping)

Emission Limitation(s)/Standard(s) and/or
Operational Limitation(s)/Standard(s)

viii. Certification:

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<p><i>63.119(b)(4) dated 1/17/97].</i></p> <p>D. Each penetration of the internal floating roof for the of sampling shall be a sample well. The sample well s a slit fabric cover that covers at least 90 percer opening. <i>[Reference: 40 CFR 60.112b(a)(1)(vii) dated 8/11/89 i 63.119(b)(5) dated 1/17/97].</i></p> <p>E. Each penetration of the internal floating roof that a passage of a column supporting the roof shall have fabric sleeve or a gasketed sliding cover. <i>[Referenc 60.112b(a)(1)(viii) dated 8/11/89 and 40 CFR 63.119(b)(5) dated .</i></p> <p>F. Any storage vessel that has continuously been out c since before August 18, 1998, shall not be returned service until it satisfies the applicable MACT require 40 CFR part 63, Subpart CC. <i>[Reference: 40 CFR Part 63, s Section 63.640 (h)(4) dated 6/12/1996].</i></p> <p>ii. Operational Limitation for Tank 78-TC-78: The maximum true vapor pressure of the stored liquid shall or exceed 0.75 psia. <i>[Reference: 40 CFR 60.112b(a) dated 8/11</i></p>	<p>accumulated on the roof, or the seal is detached, or holes or tears in the seal fabric, the Company shall r items or empty and remove the vessel from service ' days. The Company may request a 30 day exte accordance with the provisions of Section 60.113b</p> <p>C. Visually inspect the internal floating roof and the seal, or the secondary seal (if there is one), gasket membranes, and sleeve seals each time the storage emptied and degassed. If the internal floating defects, the primary seal has holes, tears or other op the seal or seal fabric, secondary seal has holes, other openings in the seal or seal fabric, or the g longer close off the liquid surfaces from the atmos the slotted membrane has more than 10 percent of the Company shall repair the items as necessary so t of the conditions specified in this paragraph exis refilling the storage vessel with VOL. In no ev inspections conducted in accordance with this j occur at intervals greater than 10 years in the case c conducting the annual visual inspection as spe paragraphs (a)(2) and (a)(3)(ii) of this section and at no greater than 5 years in the case of vessels spe paragraph (a)(3)(i) of this section.</p> <p>D. The equivalent turnovers of Tank 470-TF-50. <i>[Refer</i></p> <p>i. Record Keeping:</p> <p>.. Rolling twelve month VOC emissions from Tank 4 based on equivalent turnovers calculated quarterly. , <u>81/0120(A2)]</u>.</p> <p>. Records of all inspections performed as required b 60.113b(a)(1). Each record shall identify the storage ' which the inspection was performed and shall contain the vessel was inspected and the observed conditioi component of the control equipment. <i>[Reference Regula Section 6(a)(3)(iii) dated 11/15/93 and 40 CFR 60.115b(a) dated 8,</i></p> <p>. For Tank 78-TC-78, records of the type of VOL stored maximum true vapor pressure of that VOL du</p>	<p>None in addition to those listed in Condition 3(c)(3 permit.</p>

Condition 3 - Table 1 (Specific Requirements)

Emission Limitation(s)/Standard(s) and/or Operational Limitation(s)/Standard(s)	Compliance Determination Methodology (Monitoring/Testing, QA/QC Procedures (as applicable) and Record Keeping)	Reporting/Compliance Certification
fe. Emissions Unit 40 - Refinery Tank Farm Units With Fixed Roofs Subject to 40 CFR part 63, Subpart CC and 40 CFR part 60, Subpart Ka: Tanks 60-TF-28, 61-TF-28, 471-TF-28, 581-TC-10, 582-TF-4, 583-TF-4, 584-TF-112 (Tanks 60-TF-28 and 61-TF-28 are Group 1 MACT Tanks that are to comply with the provisions of 40 CFR part 63, subpart CC as provided by 63.640(n)(5); Tank 581-TF-10 stores methanol and is subject to HON Requirements)	respective storage period. [Reference: Regulation No. 6(a)(3)(ii) dated 11/15/93 and 40 CFR 60.115b(a) dated 11/8/89].	
1. Volatile Organic Compounds (VOC) Emission Standard for Tank 471-TF-28: VOC emissions from Tank 471-TF-28 shall not exceed () in any rolling twelve month period. [Reference: APC-81/0]	i. Compliance Method: A. Compliance with the Emission Standard shall be by a maximum of 20 equivalent turnovers [Reference: Regulation Section 6(a)(3)(ii) dated 11/15/93]. B. Compliance with Operational Limitations (A) and (B) demonstrated by record keeping. [Reference: Regulation Section 6(a)(3)(i)(B) dated 11/15/93]. C. Compliance with Operational Limitation (C) demonstrated weekly by a H ₂ S Draeger tube that is reading less than 10 ppm. [Reference: Star Enterprise-Canister Monitoring at Offtest and Sour Water Tanks@ su Attachment AA@ of Permit: APC-81/0120]. D. Compliance with Operational Limitation (D) demonstrated by the proper operation of either heater 41-H-1 or 42-H-1 at all times that vapors from 581-TF-10 to either of these heaters. [Reference Regulation Section 6(a)(3) dated 11/15/93]. E. Compliance with Operational Limitation (E) demonstrated by satisfying the notification and record requirements. [Reference Regulation No. 30 Section 6(c) 11/15/93].	i. Reporting: In addition to Condition 3(c)(2) of this permit, the Company shall submit the following reports: A. If any of the conditions described in 40 CFR 60.112a are detected during the annual inspection, a report shall be furnished to the Administrator within 30 days of inspection. Each report shall identify the storage vessel, the nature of the defects, and the date the storage vessel was emptied or the nature of and date the repair was completed. [Reference: Regulation 30 Section 6(a)(3)(ii) dated 11/15/93] B. Quarterly reports of the rolling twelve month VOC emissions from Tank 471-TF-28 C. The reports listed below for the MACT Tanks: 1. A Notification of Compliance Status report as required by 40 CFR 654(f); 2. Periodic Reports as described in 40 CFR 654(g) 3. Other reports as described in 40 CFR 654(h). 4. In the event an out of service tank is being returned to HAP service, the Company shall comply with the requirements in 40 CFR 63.654(f)(1)(i). [Reference: 40 CFR 63.654(e) dated 8/18/1998]
. Operational Limitations: The internal floating roofs shall rest on the surface of the tanks at all times except during initial fill until the roof is lifted by leg supports and when the tank is completely empty and subsequently refilled. The process of filling empty tanks and refilling when the roof is resting on the leg supports shall be continuous and shall be accomplished as rapidly as possible. Each opening in the internal floating roof except automatic bleeder vents and the rim space vents is to be covered by a projection below the liquid surface. Each opening cover except for automatic bleeder vents, rim space vents, stub drains and leg sleeves is to be equipped with a cover or lid which is to be in a closed position at all times when the device is in actual use. Automatic bleeder vents are to be closed at all times when the cover is floating when the cover is being floated off or is being landed on leg supports. Rim vents are to be set to open only when the cover is being off the leg supports or at the manufacturer's recommended setting. [Reference: 40 CFR 60.112a(a) 12/18/80 and 40 CFR 63.119(b)(1) dated 1/17/97]. A. The true vapor pressure of the stored liquid shall not exceed 10 mm Hg absolute at the storage temperature. [Reference: 40 CFR 60.112a(a) dated 12/18/80 and 40 CFR 63.119(b)(1) dated 1/17/97].	ii. Monitoring/Testing: A. For Tanks 581-TC-10, 60-TF-28, 61-TF-28, 206-TF-28, 582-TF-4, 583-TF-4, 584-TF-112: None of those required by Condition 3 - Table 1.1.v. [Reference: Regulation No. 30 Section 6(a)(3)(i)(B) dated 11/15/93]	vii. Certification: None in addition to those listed in Condition 3(c)(3) of this permit.

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<p>1/17/97].</p> <p>A. Proper operation of the Conservation Vent and Adsorption Bed of Tank 471-TF-28 shall be considered a necessary part of acceptable storage tank operation in accordance with the Notice of Conciliation Proceeding Penalty dated February 10, 1989 signed by Acting Secretary John Hughes for the Department, R.G. Soelkhe Enterprise and Robert A. Cap for Texaco Refining Marketing, Inc. [Reference: <u>Star Enterprise's A/CARBON MONITORING at Offtest and Sour Water Tanks</u> submitted as Attachment of Permit: <u>APC-81/0120</u>].</p> <p>B. Vapors from Tank 581-TF-10 shall be controlled by the vent system and control device at all times. [Reference: 63.119(e) dated 1/17/97]</p> <p>C. Any storage vessel that has continuously been out of service since before August 18, 1998, shall not be returned to service until it satisfies the applicable MACT requirements of 40 CFR part 63, Subpart CC. [Reference: 40 CFR Part 63, Section 63.640(h)(4) dated 6/12/1996].</p> <p>F. Emissions Unit 40 - Refinery Tank Farm Units With Fixed Subject to Regulation 24, Section 31 and 40 CFR Part 63, Subpart CC: Tanks 045-TF-153, 047-TF-78, 062-TF-28, 066-TF-178, 075-TF-78, 076-TF-78, 077-TF-78, 078-TF-78, 139-TF-50, 149-TF-78, 244-TF-78, 245-TF-78, 246-TF-78, 264-TF-78, 265-TF-78, 390-TF-M, 405-TF-28, 406-TF-28, 407-TF-28, 408-TF-28, 441-TF-M, 443-TF-M, 444-TF-M, 445-TF-M, 446-TF-M, 447-TF-M, 482-TF-M, 501-TF-10, 502-TF-10, 504-TF-3, 505-TF-3, 550-TF-10, 551-TF-10, 553-TF-10, 554-TF-5, 562-TF-5, 571-TF-5, 572-TF-5, 581-TF-10, 061-TF-28, 071-TF-28, 202-TF-50, 206-TF-112, 470-TF-50, 471-TF-28, 583-TF-4, 584-TF-112. Tanks 60-TF-28, 61-TF-28 and 71-TF-28 are MACT Tanks; Tanks 470-TF-50, 471-TF-28, 582-TF-4, 583-TF-4 are not Subject to MACT Requirements; all other Tanks are Group 1 Tanks. Tanks 571-TF-5 and 572-TF-5 are also subject to Subpart K.</p> <p>1. Volatile Organic Compounds (VOC) Equipment Standard for Tanks 060-TF-28, 061-TF-28, 070-TF-50, 471-TF-28, 582-TF-4, 583-TF-4, 584-TF-112</p>	<p>B. For Tank 471-TF-28: None in addition to those required by Condition 3 - Table 1(fg)(1)(iii). [Reference: <u>APC-81/0120</u>]</p> <p>Recordkeeping:</p> <p>A. Rolling twelve month VOC emissions from Tank 471-TF-28 shall be calculated quarterly. [Reference: <u>APC-81/0120</u>]</p> <p>B. Records of the type of petroleum liquid stored, the storage and the maximum true vapor pressure of the liquid during the respective storage period. [Reference: 40 CFR Part 63, Subpart Ka, Section 115a].</p> <p>i. Compliance Method: [Reference: Regulation No. 24 Section 31.11/2915/94]</p> <p>A. Compliance with the Equipment Standard for Tanks 060-TF-28, 061-TF-28, 070-TF-50, 471-TF-28, 582-TF-4, 583-TF-4, 584-TF-112</p>	<p>c. Reporting: In addition to Condition 3(c)(2) of this permit, the Company shall submit the following reports:</p>

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<p>The internal floating roof shall be equipped with a closure or seals to close the space between the roof edge and tank shell. [Reference: Regulation 24, Section 31.c.1.i. dated 11/29/94]</p> <p>Operational Limitations for Tanks 060-TF-28, 061-TF-28, 202-TF-50, 470-TF-50, 471-TF-28, 582-TF-4, 583-TF-112:</p> <p>The tank is maintained such that there are no visible holes or other openings in the seal or any seal fabric or non-metallic components. [Reference: Regulation 24, Section 31.c.2. dated 11/29/94]</p> <p>A. Openings, except stub drains, are equipped with covers, lids or caps such that: [Reference: Regulation 24, Section 31.c.3 dated 11/29/94]</p> <ol style="list-style-type: none">1. The cover, lid, or seal is in the closed position at all times except when in actual use.2. Automatic bleeder vents are closed at all times except when the roof is being floated off or being landed on the supports.3. Rim vents, if provided, are set to open when the roof is floated off the roof leg supports or at the manufacturer's recommended setting. <p>i. Operational Limitations for Tanks 045-TC-153, 047-TF-153, 048-TC-112, 074-TC-78, 075-TC-78, 076-TC-78, 078-TC-78, 139-TC-50, 149-TC-50, 150-TC-78, 245-TC-78, 246-TC-78, 264-TC-78, 265-TC-78, 266-TC-78, 405-TC-28, 406-TC-28, 407-TC-28, 408-TC-28, 442-TC-M, 443-TC-M, 444-TC-M, 445-TC-M, 446-TC-M, 482-TC-M, 500-TC-50, 501-TC-10, 502-TC-10, 504-TC-10, 550-TC-10, 551-TC-10, 552-TC-10, 553-TC-10, 581-TC-10:</p> <p>The maximum true vapor pressure of the stored petroleum liquid shall not exceed 1.5 psia. However, for Tanks 062-TC-28, 066-TC-112, 074-TC-78, 075-TC-78, 076-TC-78, and 077-TC-78, the maximum true vapor pressure of the stored petroleum liquid shall not exceed 1.0 psia, then the company shall keep records as described in (vi)(B). [Reference: Regulation 24, Section 31.a.2.iii. dated 11/29/94]</p>	<p>demonstrated by operating and maintaining the mechanical seals to minimize VOC emissions.</p> <p>B. Compliance with the Operational Limitations in paragraph (ii) shall be demonstrated by monitoring/testing and record keeping.</p> <p>C. Compliance with the Operational Limitations in paragraph (iii) shall be demonstrated by record keeping.</p> <p>D. Compliance with Operational Limitation (iv) shall be demonstrated by satisfying the notification and record keeping requirements of paragraph (ix)(C) of this section. [Reference: Regulation No. 30 Section 6(a)(3) dated 11/15/93].</p> <p>E. Compliance with the Emission Limitation in section 31(c) shall be demonstrated by using EPA's Tanks 3.1 Program to calculate monthly liquid throughput and the monthly average vapor pressure obtained from weekly samples using ASTM D-5191. [Reference: Permit: APC-80/0869-Operation(Amendments)](NSPS) dated 11/6/1999, Cond. No. 5].</p> <p>ii. Monitoring/Testing: [Reference: Regulation No. 30 Section 6(a)(3) dated 11/15/93]</p> <p>i. The Company shall carry out the following inspection program for tanks equipped with a single seal system:</p> <ol style="list-style-type: none">1. Visually inspect the internal floating roof and its seals through roof hatches at least once every 6 months.2. Perform a complete inspection of any cover and seal whenever the tank is emptied for nonoperation or at least every 10 years, whichever is more frequent. <p>ii. For tanks equipped with a double seal system:</p> <ol style="list-style-type: none">1. Visually inspect the internal floating roof and its seals through the roof hatches at least once every 6 months.2. Perform a complete inspection of any cover and seal whenever the tank is emptied for nonoperation or at least every 5 years, whichever is more frequent.	<p>A. If any of the conditions described in Regulation 24 31(c) are detected during the annual inspection, they shall be furnished to the Administrator within 30 days of inspection. Each report shall identify the storage vessel, the nature of the defects, and the date the storage vessel was emptied or the nature of and date the repair was made. [Reference: Regulation 30 Section 6(a)(3)(ii) dated 11/15/93]</p> <p>B. Quarterly reports of the rolling twelve month VOC emissions from Tank 047-TF-78.</p> <p>C. The reports listed below for the MACT Tanks: [Reference: Regulation 30 Section 6(a)(3)(ii) dated 11/15/93]</p> <ol style="list-style-type: none">1. A Notification of Compliance Status report as described in 40 CFR 63.654(f);5. Periodic Reports as described in 40 CFR 63.654(g);6. Other reports as described in 40 CFR 63.654(h);7. In the event an out of service tank is being returned to service, the Company shall comply with the requirements in 40 CFR 63.654. <p>x. Certification: None in addition to Condition 3(c)(2) of this permit.</p>

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<p>i. Operation Limitation for all tanks: Any storage vessel that has continuously been out of service since before August 18, 1998, shall not be returned to service until it satisfies the applicable MACT requirements of 40 CFR part 63, Subpart CC. [Reference: 40 CFR Part 63, Subpart CC, Section 63.640(h)(4) dated 6/12/1996].</p> <p>j. Emission Limitation for Tank 047-TF-78: Emissions shall not exceed 1.1 tons of volatile organic compounds per year from any consecutive twelve (12) month period. [Reference: <u>APC-81/0120</u> Cond. 1].</p>	<p>iii. Recordkeeping: [Reference: Regulation No. 30 Section 6(a)(11/15/93 and 40 CFR 63.123 dated 1/17/97]</p> <p>ii. The Company shall maintain the following records in an accessible location for at least 5 years and shall make the records available to the Department upon verbal or written request:</p> <ul style="list-style-type: none">1. Records of the types of volatile petroleum liquids stored in that tank.2. Records of the maximum true vapor pressure of the liquids as stored.3. Records of the results of the inspections required by paragraph (d) of this Section. <p>i. For fixed roof tanks exempted from Regulation 24, Section 24.1, but containing a petroleum liquid with a true vapor pressure greater than 7.0 kPa (1.0 psia), shall maintain the following records in a readily accessible location for at least 5 years and shall make copies of the records available to the Department upon verbal or written request:</p> <ul style="list-style-type: none">1. Records of the average monthly storage temperature.2. Records of the type of liquid stored.3. Records of the maximum true vapor pressure of the petroleum liquid with a true vapor pressure greater than 7.0 kPa (1.0 psia).	<p>j. Reporting: In addition to those required by Condition 3(c)(2) Of this permit, the quarterly reports shall be submitted each quarter summarizing the inspection(s) of Tank 470-TF-50 and the results of the inspection(s). A list of all corrective actions shall be included in the reports. The reports shall include proposed actions for problems that have not been resolved and provide a timetable for completion. The Department's approval for corrections to be made. [Reference: <u>APC-81/0120</u>].</p>
<p>g. Emissions Unit 40 - Refinery Tank Farm Units Subject to Special Odor Prevention Measures: Tanks 44-TF-112, 47-TF-78, 48-TF-112, 50-TF-78, 51-TF-78, 60-TF-28, 61-TF-28, 62-TF-28, 72-TF-50, 73-TF-78, 414-TC-M, 416-TF-3, 470-TF-50, 471-TF-50.</p> <p>1. Odor Control Operational Limitations:</p> <p>A. A floating layer of oil at least one (1) foot thick shall be maintained to control odors from Tanks 470-TF-50 and 471-TF-50. [Reference: <u>APC-81/0120</u> Cond. No. 11].</p> <p>B. The oil layer shall be replaced if hydrogen sulfide is detected in the tank vapor space during the weekly tank inspection. [Reference: <u>APC-81/0120</u>]</p> <p>A. The oil layer thickness shall be gauged every month. Tanks 470-TF-50 and 471-TF-28 are checked for oil layer thickness.</p>	<p>i. Compliance Method: Compliance with the operational limitations shall be demonstrated by monitoring/testing and record keeping. [Reference: <u>APC-81/0120</u>]</p> <p>ii. Monitoring/Testing: That described under the Operational Limitations.</p> <p>iii. Recordkeeping: A hard bound log book or electronic record shall be designed to record the following information: tank number, date, and results of monitoring/testing.</p>	

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<p>readings. [Reference: APC-81/0120].</p> <p>B. Tanks 470-TF-50, 471-TF-28, 414-TC-M and 416-TC-3: a formal documented inspection shall be performed by an operator making a walk-around inspection of the tank and by climbing each tank and viewing each roof. [Reference: Letter from R.G. Soehlke to DNREC Secretary Jon Hughes dated 2/28/89].</p> <p>C. Tanks 44-TF-112, 45-TC-152, 47-TC-78, 48-TF-112, 51-TF-78, 60-TF-28, 61-TF-28, 62-TC-28, 71-TF-28, 72-TF-78: Each week a formal documented inspection shall be performed by an operator making a walk-around inspection of the tank base and by climbing each tank and viewing each roof. [Reference: Letter from R.G. Soehlke to DNREC Secretary Jon Hughes dated 2/28/89].</p> <p>D. Tank 470-TF-50 shall be monitored in accordance with the requirements of API Recommended Practice 651 - Protection of Aboveground Petroleum Storage Tank External Cathodic Protection of On-Grade Metallic Storage Tanks. [Reference: APC-81/0120].</p> <p>E. Carbon Adsorption Unit: The H₂S concentration measured weekly at the outlet of the unit. Readings of 10 ppm or greater are indicative of an odor problem and the carbon shall be regenerated. [Reference: APC-81/0120].</p> <p>F. Each tank shall be checked for the presence of liquid, odor outside of the tank. Tanks that have a mixer (or pump(s)), shall also be checked. [Reference: APC-81/0120].</p> <p>h. Emissions Unit 40 - Process Heater 40-H-1, Emission Point 40-1.</p> <p>Particulate Matter</p> <p>Emission Standard:</p> <p>The Company shall not cause or allow the emission of particulate matter in excess of 0.3 lb/mmBTU heat input on a maximum 2-hour average. [Reference: Regulation No. 4.1 dated 2/1/81]</p> <p>Operational Limitation:</p> <p>The Company shall only combust desulfurized RFG in unit 40. [Reference Regulation No. 30 Section 6(a)(3)(ii) dated 11/15/93]</p>	<p>initials making the inspection, and pertinent findings. [Reference: APC-81/0120].</p> <p>i. Compliance Method: [Reference Regulation No. 30 Section 6(a)(3) dated 11/15/93]</p> <p>A. Compliance with the emission standard is based on compliance with the NSPS limit of 0.1 grain/dsc of H₂S in RFG.</p> <p>B. Compliance with the Operational Limitation shall be demonstrated by record keeping.</p> <p>j. Monitoring/Testing:</p> <p>The Company shall continuously monitor the H₂S concentration</p>	<p>i. Certification:</p> <p>None in addition to those listed in Condition 3(c)(3) of this permit.</p> <p>vii. Certification:</p> <p>None in addition to those listed in Condition 3(c)(3) of this permit.</p>

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	RFG. [Reference Regulation No. 30 Section 6(a)(3)(i)(B) dated 11/15/93].	
2. Sulfur Dioxide (SO₂)		
Emission Standard: The Company shall not purchase for use and shall not fuel having a sulfur content greater than 1.0 percent by emission Unit 40-H-1. [Reference Reg. No. 8, Section 2.1 dated 11/27/85 and 40 CFR 60.104(a)(1)]	. Record Keeping: The Company shall maintain records of the fuel usage by Unit 40-H-1. [Reference Regulation No. 30 Section 6(a)(3)(ii) dated 11/15/93]. i. Compliance Method: [Reference Regulation No. 30 Section 6(a)(3) dated 11/15/93]. A. A Continuous Emissions Monitoring System (CEMS) shall be used to demonstrate compliance with the Emission Standard. B. Compliance with the Emission Standard shall be compliance with Compliance Method (A) above	i. Reporting: None in addition to Condition 3(c)(2) of this permit.
. Operational Limitation: The Company shall not burn in any fuel gas combustor any fuel gas that contains H ₂ S in excess of 0.1 grain/D three hour rolling average. [Reference Regulation No. 20, dated 11/27/85 and 40 CFR 60.104(a)(1)]	i. Monitoring/Testing: [Reference Regulation No. 30 Section 6(a)(3)(ii) dated 11/15/93] A. The H ₂ S content in RFG shall be continuously monitored using CEMS The H ₂ S CEMS shall comply with Performance Specification 40 CFR 60, Appendix AB@ B. Quality Assurance requirements for the H ₂ S CEMS shall be in accordance with the procedures described in 40 CFR 60, Appendix AF@.	vii. Certification: None in addition to those listed in Condition 3(c)(3) of this permit.
3. Visible Emissions Standard:		
The Company shall not cause or allow the emission of any visible contaminants and/or smoke from any emission unit, the appearance of which is greater than twenty (20) percent for an aggregate of more than three (3) minutes in an hour or more than fifteen (15) minutes in any twenty-hour period. [Reference Reg. No. 14, Section 2.1, dated 7/1/85]	. Record Keeping: The Company shall keep records of all H ₂ S CEMS calibration, maintenance, quarterly cylinder gas audits and annual accuracy test audits for at least five (5) years. [Reference Regulation No. 30 Section 6(a)(3)(ii) dated 11/15/93] . Compliance Method: Compliance shall be demonstrated by proper operation and maintenance of the emission units, monitoring testing requirements, and record keeping. [Reg. No. 30 Section 6(a)(3) dated 11/15/93]. i. Monitoring/ Testing: A. In accordance with Subsection 1.5(c) of Regulation No. 14, the Company shall conduct visual observations at fifteen-second intervals for a period of not less than one hour except that the observation period may be reduced to fifteen minutes if the observation is conducted during the same period as the CEMS audit.	. Reporting Requirement: All records indicating exceedance of the standard in accordance with Condition 3(c)(2). i. Certification Requirement: None in addition to Condition 3(c)(3) of this permit.

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<p>i. Emissions Unit 40 - Frozen Earth Storage System Flare, Emissions Unit 40-1</p> <p>1. Visible Emission Standard: The flare shall be designed for and operated with no visible emissions, except for periods not to exceed a total of 10 minutes during any 2 consecutive hours. [Reference Reg. No. 30 Section 6(a)(3)(i)(B) dated 11/15/93].</p>	<p>may be discontinued whenever a violation of the standard is recorded. The additional procedures, qualification and methods to be used for visually determining the opacity shall be specified in Section 2 & 3 (except for Section 2.5 second sentence of Section 2.4) of Reference Method set forth in Appendix A, 40 CFR, Part 60, revised July 1993 [Reference Reg. No. 20, Section 1.5(c) dated 12/7/88].</p> <p>B. Visual observations in accordance with paragraph (A) above shall be conducted once annually. [Reference Reg. No. 30 Section 6(a)(3) dated 11/15/93].</p> <p>C. The Company shall conduct daily qualitative stack observations to determine the presence of any visible emissions when the unit is in operation.</p> <p>1. If visible emissions are observed, the Company shall take corrective actions and/or conduct a visible observation in accordance with Paragraph (A) above.</p> <p>2. If no visible emissions are observed, no further action is required. [Reference Reg. No. 30 Section 6(a)(3) dated 11/15/93].</p> <p>4. Record keeping:</p> <p>A. Observation records shall be maintained and made available to the Department upon request. [Reference Reg. No. 30 Section 6(a)(3)(i)(B) dated 11/15/93].</p> <p>B. Records of all maintenance performed on these units shall be maintained and made available to the Department upon request. [Reference Reg. No. 30, Section 6(a)(3)(i)(B) dated 11/15/93].</p> <p>5. Compliance Method: Compliance with the emission standard shall be based on the operation of the refrigeration vapor recovery system. [Reference Reg. No. 30 Section 6(a)(3)(i)(B) dated 11/15/93].</p> <p>i. Monitoring/Testing: a. Reference Method 22 shall be used to determine the compliance of the flares with the visible emission standard.</p>	<p>6. Reporting Requirement: All records indicating exceedances of the standard in addition to Condition 3(c)(2).</p> <p>i. Certification Requirement: None in addition to Condition 3(c)(3).</p>

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<p>Emissions Unit 43 - Ether Plant Fugitive VOC Emissions; Standards of Performance for Equipment Leaks of VOC in Petroleum Refineries; National Emission Standards for Hazardous Air Pollutants in Petroleum Refineries; 40 CFR Part 63 Subpart CC Compliance Standards of Performance for Equipment Leaks of VOC in Petroleum Refineries; 40 CFR Part 63 Subpart VV and Facility-Wide Standards of Performance for Equipment Leaks of VOC in Petroleum Refineries</p> <p>1. Pumps in Light Liquid Service.</p> <p>Operational Standards</p> <p>B. Each pump in light liquid service shall be monitored by the methods and procedures in accordance with (iii)(A) of this section. [Reference: Regulation No. 24, Section 29, dated 11/29/94 and 40 CFR 60, Subpart VV, '60.482-2(a) dated 7/1/00 and 63.648(a)(1) dated 8/18/98].</p> <p>B. Leak Repair</p> <p>When a leak is detected, it shall be repaired as soon as practicable but not later than 15 calendar days after it is detected, as provided in Section 8 of this unit. [Reference: Regulation No. 28, dated 11/29/94 and 40 CFR 60, Subpart VV, '60.485(b) dated 7/1/00 and 40 CFR 63.648(a)(1) dated 8/18/98].</p>	<p>of this condition. The observation period is 2 hours and shall be used according to Method 22. [Reference 40 CFR 60.482-2(a) dated 11/15/93]</p> <p>The Company shall conduct daily qualitative stack observations to determine the presence of any visible emissions from the flare is receiving vented propane. 1. If visible emissions are observed, the Company shall take corrective actions and/or conduct a visible emission observation in accordance with paragraph (A) above.</p> <p>If no visible emissions are observed, no further observation is required.</p> <p>[Reference Reg. No. 30, Section 6(a)(3) dated 11/15/93]</p> <p>Record Keeping: [Reference Reg. No. 30 Section 6(a)(3)(i) dated 11/15/93]</p> <p>Observation records shall be maintained on site.</p> <p>Records of maintenance performed on the unit.</p> <p>Compliance Method</p> <p>Compliance with the operational standards of this condition shall be demonstrated in accordance with the monitoring/ testing and recordkeeping requirements of this section. [Reference Reg. No. 30 Section 6(a)(3) dated 11/15/93]</p> <p>i. Monitoring/Testing</p> <p>A. Periodic Monitoring</p> <p>1. Each pump in light liquid service shall be monitored monthly to detect leaks by the methods specified in 40 CFR 60, Subpart VV, '60.485(b), dated 7/1/00, except as provided in paragraphs (i)(C), (i)(D), and (i)(E) of this section.</p> <p>2. Each pump in light liquid service shall be checked</p>	<p>Reporting</p> <p>A. All exceedances in accordance with Condition 3(c)(i) of this permit.</p> <p>B. Other reporting requirements are covered under Section 8 of this unit.</p> <p>i. Compliance Certification</p> <p>None in addition to that required by Condition 3(c)(i) of this permit.</p>

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<p>2. A first attempt at repair shall be made no later than calendar days after each leak is detected. <i>[Reference: No. 24, Section 28, dated 11/29/94 and 40 CFR 60, Subpart VV, '60.482-2(c)(2) dated 7/1/00 and 40 CFR 63.648(a), 8/18/98]</i></p> <p>C. Each pump equipped with a dual mechanical seal system includes a barrier fluid system is exempt from requirements of paragraph (A) of this section, provided following requirements are met:</p> <ol style="list-style-type: none">1. Each dual mechanical seal system isB<ol style="list-style-type: none">a. Operated with the barrier fluid at a pressure that is times greater than the pump stuffing box pressureb. Equipment with a barrier fluid degassing reservoir routed to a process or fuel gas system or connected to a closed vent system to a control device that complies with requirements of Section 9 of this unit; or,c. Equipped with a system that purges the barrier fluid from the process stream with zero VOC emissions to the atmosphere2. The barrier fluid system is in heavy liquid service or VOC service.3. Each barrier fluid system is equipped with a sensor to detect failure of the seal system, the barrier fluid system4. Each pump is checked by visual inspection, each week, for indications of liquids dripping from the pump5.a. Each sensor as described in paragraph (3) of this section is checked daily or is equipped with an audible alarm andb. The Company determines, based on engineering considerations and operating experience, a criterion indicates failure of the seal system, the barrier fluid system, or both.6.a. If there are indications of liquids dripping from the pump seal or the sensor indicates failure of the seal system, the barrier fluid system, or both, the criterion determined in paragraph (C) of this section is met. A leak is detected.b. When a leak is detected, it shall be repaired as	<p>visual inspection each calendar week for indications of liquids dripping from the pump seal. <i>[Reference: Regulation No. 24, Section 29, dated 11/29/94 and 40 CFR 60, Subpart VV, '60.482-2(a), dated 7/1/00]</i></p> <p>B. Detection of Leaks</p> <ol style="list-style-type: none">1. If an instrument reading of 10,000 ppm or greater is measured, a leak is detected.2. If there are indications of liquids dripping from the pump seal, a leak is detected. <i>[Reference: Regulation No. 24, Section 29, dated 11/29/94 and Subpart VV, '60.482-2(b), dated 7/1/00]</i> <p>7. Recordkeeping</p> <p>None in addition to the requirements of Section 1 of this condition.</p>	

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<p>practicable, but not later than 15 calendar days detected, except as provided in Section 9 of this u c. A first attempt at repair shall be made no late calendar days after each leak is detected.</p>		
<p>[Reference: Regulation No. 24, Section 28, dated 11/29/94. 60, Subpart VV, '60.482-2(d) dated 12/14/2000 and 63.648(a)(1) dated 8/ 18/ 98].</p>		
<p>D. Any pump that is designated for no detectable emi indicated by an instrument reading of less than 500 p background, is exempt from the requirements of p (i)(A), (i)(B), (i)(C), nd (iii) of this section if the pum 1. Has no externally actuated shaft penetrating t housing, 2. Is demonstrated to be operating with no detectable en indicated by an instrument reading of less than 500 p background as measured by the methods specified in 4 Subpart VV, '60.485(c), dated 7/1/00, and 3. Is tested for compliance with paragraph (D)(2) init designation, annually, and at other times requeste Department.</p>		
<p>[Reference: Regulation No. 24, Section 29, dated 11/ 29/ CFR 60, Subpart VV, '60.482-2(e) dated 12/ 14/ 2000 ar 63.648(a)(1) dated 8/ 18/ 98].</p>		
<p>E. If any pump is equipped with a closed vent system c capturing and transporting any leakage from the sea to a process or to a fuel gas system, it is exempt f section. [Reference: Regulation No. 24, Section 29, dated 11/25 CFR 60, Subpart VV, '60.482-2(f) dated 12/14/2000 and 63.648(a)(1) dated 8/ 18/ 98].</p>		
<p>F. Any pump that is designated as an unsafe-to-monitor exempt from the Monitoring/Testing requirement section if: 1.The Company demonstrates that the pump os u monitor because monitoring personnel would be ex immediate danger as a consequence if complying v (iii)(A) of this section; and 2.The owner or operator of the pump has a written</p>		

Condition 3 - Table 1 (Specific Requirements)

Emission Limitation(s)/Standard(s) and/or Operational Limitation(s)/Standard(s)	Compliance Determination Methodology (Monitoring/Testing, QA/QC Procedures (as applicable) and Record Keeping)	Reporting/Compliance Certification
<p>requires monitoring of the pump as frequently as pr during safe-to-monitor times but not more frequently periodic monitoring schedule otherwise applicable, a of the equipment according to the procedures in part this section if a leak is detected.</p> <p><i>[Reference: Regulation 24 Section 29 dated 11/29/94; 40 CFR 60 '60.482-2(g) dated 12/14/2000 and '63.648(a)(1) dated 8/18/95]</i></p>	<p>i. Compliance Method</p> <p>Compliance with the operational standards of this c shall be demonstrated in accordance w monitoring/testing and recordkeeping requiremen section. <i>[Reference Regulation No. 30 Section 6(a) 11/ 15/ 93]</i></p>	<p>. Reporting</p> <p>A. All exceedances in accordance with Condition 3(c)(permit.</p> <p>B. Other reporting requirements are covered under Sect this unit.</p>
<p>2. Compressors.</p> <p>i. Operational Standards</p> <p>A. Each compressor shall be equipped with a seal sys includes a barrier fluid system and that prevents le VOC to the atmosphere, except as provided in 60.482-1(c) and Operational Standards (E) and (I section. <i>[Reference: Regulation No. 24, Section 28, dated 11, 40 CFR 60, Subpart VV, '60.482-3(a) dated 7/1/00 and 63.468(a)(1) dated 8/ 18/ 98]</i></p> <p>j. Each compressor seal system as required in paragraph be:</p> <p>1. Operated with the barrier fluid at a pressure that i than the compressor stuffing box pressure; or</p> <p>2. Equipped with a barrier fluid system degassing rese is routed to ta process or fuel gas system or conn a closed vent system to a control device that with the requirements of Section 9 of this unit; i</p> <p>3. Equipped with a system that purges the barrier flu process stream with zero VOC emissions to the atm <i>[Reference: Regulation No. 24, Section 29, dated 11/ 2 40 CFR 60, Subpart VV, '60.482-3(b) dated 12/ 14/ 20 CFR 63.648(a)(1) dated 8/ 18/ 98]</i></p> <p>C. The barrier fluid system shall be in heavy liquid servic not be in VOC service. <i>[Reference: Regulation No. 24, S dated 11/ 29/ 94 and 40 CFR 60, Subpart VV, '60.482- 7/ 1/ 00 and 40 CFR 63.468(a)(1) dated 8/ 18/ 98]</i></p> <p>D. 1. When a leak is detected, it shall be repaired as practicable, but not later than 15 calendar days detected, except as provided in Section 8 of this</p> <p>2. A first attempt at repair shall be made no late</p>	<p>i. Monitoring/Testing</p> <p>A. Each barrier fluid system as described in paragraph this unit shall be equipped with a sensor that w failure of the seal system, barrier fluid system, <i>[Reference: Regulation No. 24, Section 28, dated 11/ 29/ CFR 60, Subpart VV, '60.482-3(d), dated 7/ 1/ 00]</i></p> <p>B. 1. Each sensor as required in paragraph (A) shall be daily or shall be equipped with an audible alarm</p> <p>2. The Company shall determine, based on considerations and operating experience, a crit indicates failure of the seal system, the ba system, or both. <i>[Reference: Regulation No. 24, Section 28, dated 11/ 29/ CFR 60, Subpart VV, '60.482-3(e), dated 7/ 1/ 00]</i></p> <p>C. If the sensor indicates failure of the seal system, th system, or both based on the criterion determine paragraph (B)(2), a leak is detected. <i>[Reference: Reg 24, Section 28, dated 11/ 29/ 94 and 40 CFR 60, Subpart VV 3(f), dated 7/ 1/ 00]</i></p> <p>i. Recordkeeping</p> <p>None in addition to the requirements of Section 1 unit.</p>	<p>i. Compliance Certification</p> <p>None in addition to that required by Condition 3(c)(permit.</p>

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Emission Limitation(s)/Standard(s) and/or Operational Limitation(s)/Standard(s)	Compliance Determination Methodology (Monitoring/Testing, QA/QC Procedures (as applicable) and Record Keeping)	Reporting/Compliance Certification
<p>calendar days after each leak is detected. [Reference: Regulation No. 24, Section 28, dated 11/ 2 40 CFR 60, Subpart VV, '60.482-3(g) dated 7/ 1/ 00 and 63.468(a)(1) dated 8/ 18/ 98].</p>		
<p>E. A compressor is exempt from the requirements of Op Standards (A) and (B) of this section, if it is equippe closed vent system to capture and transport any leak the compressor drive shaft back to a process or fuel ga or to a control device that complies with the require Section 9 of this unit. [Reference: Regulation No. 24, S dated 11/ 29/ 94 and 40 CFR 60, Subpart VV, '60.482-3 12/ 14/ 2000 and 40 CFR 63.648(a)(1) dated 8/ 18/ 98]</p>		
<p>F. Any compressor that is designated for no de emissions, as indicated by an instrument reading of 500 ppm above background, is exempt from the requ of this section if the compressor:</p> <ol style="list-style-type: none">1. Is demonstrated to be operating with no de emissions, as indicated by an instrument reading of 500 ppm above background, as measured by the specified in 40 CFR 60, Subpart VV, '60.485(c), date2. Is tested for compliance with Operational Standi initially upon designation, annually, and at oth requested by the Department. <p>[Reference: Regulation No. 24, Section 29, dated 11/ 2 40 CFR 60, Subpart VV, '60.482-3(i) dated 12/ 14/ 20 CFR 63.648(a)(1) dated 8/ 18/ 98].</p>		
<p>G. Any existing reciprocating compressor in a process u becomes an affected facility is exempt from this provided the Company demonstrates that recas distance piece or replacing the compressor are options available to bring the compressor into compli the provisions of this section. [Reference: 40 CFR 60, S '60.482-3(j) dated 12/ 14/ 2000 and 40 CFR 63.648(a 8/ 18/ 98].</p>		
<p>H. Compressors in hydrogen service are exempt from the requ of this section if the Company demonstrates that a compr hydrogen service. [Reference 40 CFR 60, Subpart GGG, 60.593]</p>		

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Emission Limitation(s)/Standard(s) and/or Operational Limitation(s)/Standard(s)	Compliance Determination Methodology (Monitoring/Testing, QA/QC Procedures (as applicable) and Record Keeping)	Reporting/Compliance Certification
<p>7/1/2000].</p> <p>I. Each compressor is presumed to be in hydrogen service if the Company demonstrates that it is not in hydrogen service. For a piece of equipment to be considered in hydrogen service it must be determined that the hydrogen concentration can be reasonably expected not to exceed 50% by volume [Reference: 40 CFR 60.593(b)(1) dated 10/17/2000 and 40 CFR 63.648(g) dated 8/18/98].</p> <p>3. Pressure Relief Devices in Gas/vapor Service.</p> <p>i. Operational Standards</p> <p>A. Except during pressure releases, each pressure relief device in gas/vapor service shall be operated with no detectable emissions, as indicated by an instrument reading of 500 ppm above background, as determined by the methods specified in 40 CFR 60, Subpart VV, '60.485(c), dated 11/29/94 [Reference: Regulation No. 24, Section 29, dated 11/29/94 and 40 CFR 60, Subpart VV, '60.482-4(a) dated 7/1/00 and 63.648(a)(1) dated 8/18/98].</p> <p>B. Any pressure relief device that is routed to a process gas system or equipped with a closed vent system for capturing and transporting leakage through the pressure relief device to a control device as described in Section 9 of this unit is exempted from the requirements of paragraphs (i)(iii) of this section. [Reference: Regulation No. 24, Section 29, dated 11/29/94 and 40 CFR 60, Subpart VV, '60.482-4(b) dated 12/14/2000 and 40 CFR 63.648(a)(1) dated 8/18/98].</p> <p>C. 1. Any pressure relief device that is equipped with a rupture disk upstream of the pressure relief device is exempted from the requirements of paragraphs (i)(A) of this section, provided the Company complies with the requirements in (i)(C)(2) below.</p> <p>2. After each pressure release, a new rupture disk shall be installed upstream of the pressure relief device as soon as practicable, but no later than 5 calendar days after a pressure release, except as provided in '60.482-4(b) [Reference 40 CFR 60, Subpart VV, '60.482-4(b) dated 12/14/2000].</p>	<p>. Compliance Method</p> <p>Compliance with the operational standards of this condition shall be demonstrated in accordance with the monitoring/ testing and recordkeeping requirements of this section. [Reference: 40 CFR 60, Section 6(a)(3) dated 11/15/93]</p> <p>i. Monitoring/Testing</p> <p>A. After each pressure release, the pressure relief device shall be returned to a condition of no detectable emissions, as indicated by an instrument reading of less than 500 ppm above background, as soon as practicable, but no later than 5 calendar days after the pressure release, except as provided in Section 8 of this unit. [Reference: Regulation No. 24, Section 29, dated 11/29/94 and 40 CFR 60, Subpart VV, '60.482-4(b) dated 7/1/00]</p> <p>B. No later than 5 calendar days after a pressure release, the pressure relief device shall be monitored to confirm conditions of no detectable emissions, as indicated by an instrument reading of less than 500 ppm above background, using the methods specified in 40 CFR 60, Subpart VV, '60.485(c), dated 11/29/94 and 40 CFR 60, Subpart VV, '60.482-4(b) dated 7/1/00. [Reference: Regulation No. 24, Section 29, dated 11/29/94 and 40 CFR 60, Subpart VV, '60.482-4(b) dated 7/1/00]</p> <p>i. Recordkeeping</p> <p>None in addition to the requirements of Section 1 of this unit.</p>	<p>. Reporting</p> <p>A. All exceedances in accordance with Condition 3(c)(i) of this permit.</p> <p>B. Other reporting requirements are covered under Section 8 of this unit.</p> <p>i. Compliance Certification</p> <p>None in addition to that required by Condition 3(c)(i) of this permit.</p>

Condition 3 - Table 1 (Specific Requirements)

Emission Limitation(s)/Standard(s) and/or Operational Limitation(s)/Standard(s)	Compliance Determination Methodology (Monitoring/Testing, QA/QC Procedures (as applicable) and Record Keeping)	Reporting/Compliance Certification
<p>4. Sampling Connection Systems.</p> <p>v. Operational Standards.</p> <p>A. Each sampling connection system shall be equipped with a closed-purged, closed-loop, or closed-vent system, provided in the provisions for determining an emission limitation. Gases displaced during filling of the sample container are not required to be collected. <i>[Reference: Regulation No. 24, Section 11/ 29/ 94 and 40 CFR 60, Subpart VV, '60.482-5.12/ 14/ 2000 and 40 CFR 63.648(a)(1) dated 8/ 18/ 98].</i></p> <p>B. Each closed-purge, closed-loop, or closed-vent system required in paragraph (A) of this section shall conform to the following requirements:</p> <ol style="list-style-type: none">1. Return the purged process fluid directly to the process or2. Collect and recycle the purged process fluid to a control device or3. Be designed and operated to capture and transport the purged process fluid to a control device that meets the requirements of Section 9 of this unit. <p>Collect, store, and transport the purged process fluid to any of the following systems:</p> <ol style="list-style-type: none">a. A waste management unit as defined in 40 CFR 63.111, if the waste management unit is subject to, and operated in compliance with the provisions of 40 CFR part 63, subpart G, applicable to Group 1 wastewater streams;b. A treatment, storage, or disposal facility subject to regulation under 40 CFR part 262, 264, 265, orc. A facility permitted, licensed, or registered with the State to manage municipal or industrial solid waste if the process fluids are not hazardous waste as defined in 40 CFR part 261. <p><i>[Reference: Regulation No. 24, Section 28, dated 11/ 2/ 94 and 40 CFR 60, Subpart VV, '60.482-5(b) dated 7/ 1/ 00 and 40 CFR 63.468(a)(1) dated 8/ 18/ 98].</i></p> <p>C. In situ sampling systems and sampling systems</p>	<p>h. Compliance Method</p> <p>Compliance with the operational standards of this condition shall be demonstrated in accordance with the monitoring/ testing and recordkeeping requirements of this section. <i>[Reference: Regulation No. 30 Section 6(a)(3) dated 11/ 15/ 93]</i></p> <p>i. Monitoring/Testing</p> <p>None.</p> <p>j. Recordkeeping</p> <p>None in addition to the requirements of Section 11 of this permit.</p>	<p>g. Reporting</p> <p>A. All exceedances in accordance with Condition 3(c) of this permit.</p> <p>B. Other reporting requirements are covered under Section 11 of this unit.</p> <p>i. Compliance Certification</p> <p>None in addition to that required by Condition 3(c) of this permit.</p>

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Emission Limitation(s)/Standard(s) and/or Operational Limitation(s)/Standard(s)	Compliance Determination Methodology (Monitoring/Testing, QA/QC Procedures (as applicable) and Record Keeping)	Reporting/Compliance Certification
<p>purges are exempt from the requirements of paragraph (B) of this section. [Reference: Regulation No. 29, dated 11/ 29/ 94 and 40 CFR 60, Subpart VV, '60.482-12/ 14/ 2000 and 40 CFR 63.648(a)(1) dated 8/ 18/ 98].</p> <p>5. Open-ended Valves or Lines.</p> <p>i. Operational Standards</p> <p>A. 1. Each open-ended valve or line shall be equipped with a blind flange, plug, or a second valve.</p> <p>2. The cap, blind flange, plug, or second valve shall remain open at all times except during operations requiring process fluid flow through the open-ended valve [Reference: Regulation No. 24, Section 29, dated 11/ 29/ 94 and 40 CFR 60, Subpart VV, '60.482-6(a) dated 12/ 14/ 00 and 63.648(a)(1) dated 8/ 18/ 98].</p> <p>B. Each open-ended valve or line equipped with a second valve shall be operated in a manner such that the valve is closed before the second valve is opened. [Reference: Regulation No. 24, Section 29 dated 11/ 29/ 94 and 40 CFR 60, Subpart VV, '60.482-6(b) dated 12/ 14/ 00 and 63.648(a)(1) dated 8/ 18/ 98].</p> <p>C. When a double block-and-bleed system is being used, the bleed valve or line may remain open during operations requiring venting the line between the block valves but must comply with paragraph (A) at all other times. [Reference: Regulation No. 24, Section 29 dated 11/ 29/ 94 and 40 CFR 60, Subpart VV, '60.482-6(c) dated 12/ 14/ 00 and 40 CFR 63.648(a)(1) dated 8/ 18/ 98].</p> <p>D. Open-ended valves or lines in an emergency shutdown which are designed to open automatically in the event of a process upset are exempt from the requirements of paragraphs (i)(A), (B), and (C) of this section. [Reference: Regulation No. 24, Section 29 dated 11/ 29/ 94 and 40 CFR 60, Subpart VV, '60.482-6(d) dated 12/ 14/ 00 and 40 CFR 63.648(a)(1) dated 8/ 18/ 98].</p> <p>E. Open-ended valves or lines containing materials which may automatically polymerize or would present an explosion or serious over pressure, or other safety hazard if closed are exempt from the requirements of paragraphs (i)(A), (B), and (C) of this section.</p>	<p>i. Compliance Method</p> <p>Compliance with the operational standards of this condition shall be demonstrated in accordance with the monitoring/ testing and recordkeeping requirements of this section. [Reference: Regulation No. 30 Section 6(a)(3) dated 11/ 15/ 93]</p> <p>ii. Monitoring/Testing</p> <p>None.</p> <p>iii. Recordkeeping</p> <p>None in addition to the requirements of Section 1 of this condition.</p>	<p>i. Reporting</p> <p>A. All exceedances in accordance with Condition 3(c)(1) of this permit.</p> <p>B. Other reporting requirements are covered under Section 3 of this permit.</p> <p>ii. Compliance Certification</p> <p>None in addition to that required by Condition 3(c)(1) of this permit.</p>

Condition 3 - Table 1 (Specific Requirements)

Emission Limitation(s)/Standard(s) and/or Operational Limitation(s)/Standard(s)	Compliance Determination Methodology (Monitoring/Testing, QA/QC Procedures (as applicable) and Record Keeping)	Reporting/Compliance Certification
<p>equipped with a double block and bleed system as sp paragraphs (i)(A) through (C) of this section are exer the requirements of paragraphs (i)(A) through (C section. <i>[Reference: Regulation No. 24, Section 29 dated and 40 CFR 60, Subpart VV, '60.482-6(e) dated 12/ 14/ 00 a 63.648(a)(1) dated 8/ 18/ 98].</i></p> <p>6. Valves in Gas/vapor Service and in Light Liquid Service.</p> <p>Operational Standards</p> <p>A. Each valve shall be monitored as given in section (i unit and shall comply with Operational Standards (B) (D), except as provided in Operational Standards (E and Sections 10 and 11 of this unit. <i>[Reference: Reg 24, Section 29 dated 11/ 29/ 94 and 40 CFR 60, Subpart VV 7(a) dated 12/ 14/ 00 and 40 CFR 63.648(a)(1) dated 8/ 18</i></p> <p>B. <u>1.</u> When a leak is detected, it shall be repaired as practicable, but no later than 15 calendar days leak is detected, except as provided in Section unit.</p> <p>2. A first attempt at repair shall be made no lat calendar days after each leak is detected. <i>[Reference: No. 24, Section 29 dated 11/ 29/ 94 and 40 CFR 60, S '60.482-7(d) dated 12/ 14/ 00 and 40 CFR 63.648(a) 8/ 18/ 98].</i></p> <p>C. First attempts at repair include, but are not limite following best practices where practicable:</p> <ol style="list-style-type: none">1. Tightening of bonnet bolts;2. Replacement of bonnet bolts;3. Tightening of packing gland nuts;4. Injection of lubricant into lubricated packing. <i>[Regulation No. 24, Section 29 dated 11/ 29/ 94 and 40 CFR 6 VV, '60.482-7(e) dated 12/ 14/ 00 and 40 CFR 63.648(a 8/ 18/ 98].</i> <p>D. Any valve that is designated for no detectable emis indicated by an instrument reading of less than 500 pp background, is exempt from the requirements of Op Standard (A) of this section if the valve:</p>	<p>. Compliance Method</p> <p>Compliance with the operational standards of this conditio demonstrated in accordance with the monitoring/ tes recordkeeping requirements of this section. <i>[Reference No. 30 Section 6(a)(3) dated 11/ 15/ 93].</i></p> <p>i. Monitoring/Testing</p> <p>A. Each valve shall be monitored monthly to detect lea methods specified in 40 CFR 60, Subpart VV, '60.485(7/1/00. <i>[Reference: Regulation No. 24, Section 29 dated and 40 CFR 60, Subpart VV, '60.482-7(a), dated 12/ 14/ 6</i></p> <p>B. If an instrument reading of 10,000 ppm or g measured, a leak is detected. <i>[Reference: Regulatio Section 29 dated 11/ 29/ 94 and 40 CFR 60, Subpart VV 7(b), dated 12/ 14/ 00].</i></p> <p>C. <u>1.</u> Any valve for which a leak is not detect successive months may be monitored the first every quarter, beginning with the next quarter, u is detected.</p> <p><u>2.</u> If a leak is detected, the valve shall be monitore until a leak is not detected for 2 successive m <i>[Reference: Regulation No. 24, Section 29 dated 11/ 29/ CFR 60, Subpart VV, '60.482-7(c), dated 12/ 14/ 00].</i></p> <p>i. Recordkeeping</p> <p>None in addition to the requirements of Section 1 unit.</p>	<p>. Reporting</p> <p>A. All exceedances in accordance with Condition 3(c)(: permit.</p> <p>B. Other reporting requirements are covered under Sect this unit.</p> <p>i. Compliance Certification</p> <p>None in addition to that required by Condition 3(c)(: permit.</p>

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Emission Limitation(s)/Standard(s) and/or Operational Limitation(s)/Standard(s)	Compliance Determination Methodology (Monitoring/Testing, QA/QC Procedures (as applicable) and Record Keeping)	Reporting/Compliance Certification
<p>1. Has no external actuating mechanism in contact with process fluid,</p> <p>2. Is operated with emissions less than 500 ppb background as determined by the method specified in 40 CFR Part VV, '60.485(c), dated 7/ 1/ 00, and</p> <p>3. Is tested for compliance with paragraph (D)(2) upon designation, annually, and at other times required by the Department.</p> <p><i>[Reference: Regulation No. 24, Section 29 dated 11/ 29/ 00, CFR 60, Subpart VV, '60.482-7(f) dated 12/ 14/ 00 and 63.648(a)(1) dated 8/ 18/ 98].</i></p> <p>E. Any valve that is designated as an unsafe-to-monitor exemption from the requirements of Operational Standards:</p> <p>1. The Company of the valve demonstrates that the valve is unsafe to monitor because monitoring personnel are exposed to an immediate danger as a consequence of complying with paragraph (A), and</p> <p>2. The Company of the valve adheres to a written plan that requires monitoring of the valve as frequently as practicable during safe-to-monitor times.</p> <p><i>[Reference: Regulation No. 24, Section 29 dated 11/ 29/ 00, CFR 60, Subpart VV, '60.482-7(g) dated 12/ 14/ 00 and 63.648(a)(1) dated 8/ 18/ 98].</i></p> <p>F. Any valve that is designated as a difficult-to-monitor exemption from the requirements of Operational Standards:</p> <p>1. The Company of the valve demonstrates that the valve cannot be monitored without elevating the monitoring personnel more than 2 meters above a support surface,</p> <p>2. The Company designates less than 3.0 percent of the number of valves as difficult-to-monitor, and</p> <p>3. The Company follows a written plan that requires monitoring of the valve at least once per calendar year</p> <p><i>[Reference: Regulation No. 24, Section 29 dated 11/ 29/ 00, CFR 60, Subpart VV, '60.482-7(h) dated 12/ 14/ 00 and 63.648(a)(1) dated 8/ 18/ 98].</i></p>	<p>7. Pumps and Valves in Heavy Liquid Service, Pressure Relief Devices in Light Liquid or Heavy Liquid Service,</p> <p>Compliance Method</p> <p>Compliance with the operational standards of this condition</p>	<p>Reporting</p> <p>A. All exceedances in accordance with Condition 3(c)(1)</p>

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Emission Limitation(s)/Standard(s) and/or Operational Limitation(s)/Standard(s)	Compliance Determination Methodology (Monitoring/Testing, QA/QC Procedures (as applicable) and Record Keeping)	Reporting/Compliance Certification
and Flanges Connectors. Operational Standards A. If evidence potential leak is found by visual, audible, olfactory, detection method at pumps and valves in heat service, pressure relief devices in light liquid or heat service, and connectors, the Company shall follow one of the monitoring requirements in part (iii)(A) of this [Reference: Regulation No. 24, Section 29 dated 11/ 29/ CFR 60, Subpart VV, '60.482-8(a) dated 12/ 14/ 2000].	demonstrated in accordance with the monitoring/ tes recordkeeping requirements of this section. [Reference No. 30 Section 6(a)(3) dated 11/ 15/ 93] i. Monitoring/Testing A. 1. The Company shall monitor the equipment within 5 the method specified in 40 CFR 60.485(b) an with the requirements of paragraphs (B) through (C) [Reference: Regulation No. 24, Section 29 dated 11/ 29/ and 40 CFR 60, Subpart VV, '60.482-8(a)(1), dated 12/ 14/ 2. The Company shall eliminate the visual, olfactory, or other indication of a potential leak. [Re Regulation No. 24, Section 29 dated 11/ 29/ 94 and 40 Subpart VV, '60.482-8(a)(2), dated 12/ 14/ 00]. B. If an instrument reading of 10,000 ppm or greater measured, a leak is detected. [Reference: Regulation No. 24, Section 29 dated 11/ 29/ CFR 60, Subpart VV, '60.482-8(b), dated 12/ 14/ 00]. C. 1. When a leak is detected, it shall be repaired as practicable, but no later than 15 calendar days detected, except as provided in '60.482-9. 2. The first attempt at repair shall be made no later than calendar days after each leak is detected. [Reference: Regulation No. 24, Section 29 dated 11/ 29/ CFR 60, Subpart VV, '60.482-8(c) dated 12/ 14/ 00 and 63.648(a)(1) dated 8/ 18/ 98]. D. First attempts at repair include, but are not limited to, practices described under Section 6(i)(C) of this unit. [Re Regulation No. 24, Section 29 dated 11/ 29/ 94 and 40 CFR 6 VV, '60.482-8(d) dated 12/ 14/ 00 and 40 CFR 63.648(a) 8/ 18/ 98]. f. Recordkeeping None in addition to the requirements of Section 12 of g. Compliance Method Compliance with the operational standards of this condition be demonstrated in accordance with the monitoring/ tes	permit. B. Other reporting requirements are covered under Section 3(c) of this unit. i. Compliance Certification None in addition to that required by Condition 3(c) of this permit. Reporting A. All exceedances in accordance with Condition 3(c) of this permit.
8. Delay of Repair. c. Operational Standard A. Delay of repair of equipment for which leaks have		

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Emission Limitation(s)/Standard(s) and/or Operational Limitation(s)/Standard(s)	Compliance Determination Methodology (Monitoring/Testing, QA/QC Procedures (as applicable) and Record Keeping)	Reporting/Compliance Certification
<p>detected will be allowed if repair within 15 days is infeasible without a process unit shutdown. Repair equipment shall occur before the end of the next process shutdown. [Reference: Regulation No. 24, Section 29 dated 11/29/94 and 40 CFR 60, Subpart VV, '60.482-9(a) dated 12/14/00 and 63.648(a)(1) dated 8/18/98].</p>	<p>recordkeeping requirements of this section. [Reference No. 30 Section 6(a)(3) dated 11/15/93]</p>	<p>B. Other reporting requirements are covered under Section 3(c) of this unit.</p>
<p>B. Delay of repair of equipment will be allowed for equipment which is isolated from the process and which does not require VOC service. [Reference: Regulation No. 24, Section 29 dated 11/29/94 and 40 CFR 60, Subpart VV, '60.482-9(b) dated 12/14/00 and 63.648(a)(1) dated 8/18/98].</p>	<p>i. Monitoring/Testing None.</p> <p>j. Recordkeeping None in addition to the requirements of Section 12 of</p>	<p>i. Compliance Certification None in addition to that required by Condition 3(c) of this permit.</p>
<p>C. Delay of repair for valves will be allowed if:</p> <ol style="list-style-type: none">1. The Company demonstrates that emissions of purged gas resulting from immediate repair are greater than the emissions likely to result from delay of repair, and2. When repair procedures are effected, the purged gas is collected and destroyed or recovered in a control device consistent with Section 9 of this unit. <p>[Reference: Regulation No. 24, Section 29 dated 11/29/94 and 40 CFR 60, Subpart VV, '60.482-9(c) dated 12/14/00 and 63.648(a)(1) dated 8/18/98]</p>		
<p>D. Delay of repair for pumps will be allowed if:</p> <ol style="list-style-type: none">1. Repair requires the use of a dual mechanical seal system which includes a barrier fluid system, and <p>Repair is completed as soon as practicable, but not later than 6 months after the leak was detected. [Reference: Regulation No. 24, Section 29 dated 11/29/94 and 40 CFR 60, Subpart VV, '60.482-9(d) dated 12/14/00 and 40 CFR 63.648(a)(1) dated 8/18/98]</p>		
<p>E. Delay of repair beyond a process unit shutdown will be allowed for a valve, if valve assembly replacement is not required during the process unit shutdown, valve assembly supplies have not been depleted, and valve assembly supplies have been sufficiently stocked before the supplies were depleted. Repair beyond the next process unit shutdown will be allowed unless the next process unit shutdown occurs more than 6 months after the first process unit shutdown. [</p>		

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Emission Limitation(s)/Standard(s) and/or Operational Limitation(s)/Standard(s)	Compliance Determination Methodology (Monitoring/Testing, QA/QC Procedures (as applicable) and Record Keeping)	Reporting/Compliance Certification
<p><i>Regulation No. 24, Section 29 dated 11/ 29/ 94 and 40 CFR 60, Subpart VV, '60.482-9(c) dated 12/ 14/ 00 and 40 CFR 63.648(a)(1) dated 8/ 18/ 98].</i></p> <p>9. Closed Vent Systems and Control Devices.</p> <p>i. Operational Standards</p> <p>A. Vapor recovery systems (for example, condensers, adsorbers) shall be designed and operated to reduce VOC emissions vented to them with an efficiency of 95 percent or greater or to an exit concentration of 20 ppmv dry corrected, whichever is less stringent. <i>[Reference: Regulation No. 24, Section 29 dated 11/ 29/ 94 and 40 CFR 60, Subpart VV, '60.482-10(c) dated 12/ 14/ 00 and 40 CFR 63.648(a)(1) dated 8/ 18/ 98].</i></p> <p>Flares used to comply with this subpart shall be designed and operated to reduce the VOC emissions vented to them with an efficiency of 95 percent or greater or to an exit concentration of 20 ppmv dry corrected, whichever is less stringent. <i>[Reference: Regulation No. 24, Section 29 dated 11/ 29/ 94 and 40 CFR 60, Subpart VV, '60.482-10(c) dated 12/ 14/ 00 and 40 CFR 63.648(a)(1) dated 8/ 18/ 98].</i></p> <p>C. Leaks, as indicated by an instrument reading greater than 500 parts per million by volume above background, shall be repaired as soon as practicable, except as provided in paragraph (E) of this section.</p> <p>1. A first attempt at repair shall be made no later than 15 calendar days after the leak is detected.</p> <p>2. Repair shall be completed no later than 15 calendar days after the leak is detected.</p>	<p>. Compliance Method</p> <p>Compliance with the operational standards of this condition shall be demonstrated in accordance with the monitoring/ testing and recordkeeping requirements of this section. <i>[Reference: Regulation No. 30 Section 6(a)(3) dated 11/ 15/ 93]</i></p> <p>i. Monitoring/Testing</p> <p>A. Control devices used to comply with the provisions of this section shall be monitored to ensure that they are operated and maintained in conformance with their designs. <i>[Reference: Regulation No. 24, Section 29 dated 11/ 29/ 94 and 40 CFR 60, Subpart VV, '60.482-10(c), dated 12/ 14/ 00].</i></p> <p>B. Except as provided in paragraphs (C) through (E) below, a closed vent system shall be inspected according to the following procedures:</p> <p>1. If the vapor collection system or closed vent system is constructed of hard-piping, the Company shall comply with the requirements specified in paragraphs (B)(1)(a) and (B)(1)(b) of this section:</p> <p>a. Conduct an initial inspection according to the procedures in 40 CFR 60, Subpart VV, '60.485(b)(1)(i) and (j); and</p> <p>b. Conduct annual visual inspections for audible, or olfactory indications of leaks.</p> <p>2. If the vapor collection system or closed vent system is constructed of ductwork, the Company shall</p> <p>a. Conduct an initial inspection according to the procedures in 40 CFR 60, Subpart VV, '60.485(b)(1)(i) and (j); and</p> <p>b. Conduct annual inspections according to the procedures in Sec. 60.485(b).</p> <p><i>[Reference: Regulation No. 24, Section 29 dated 11/ 29/ 94 and 40 CFR 60, Subpart VV, '60.482-10(f), dated 12/ 14/ 00].</i></p> <p>C. If a vapor collection system or closed vent system is</p>	<p>. Reporting</p> <p>A. All exceedances in accordance with Condition 3(c) of this permit.</p> <p>B. Other reporting requirements are covered under Section 3 of this permit.</p> <p>i. Compliance Certification</p> <p>None in addition to that required by Condition 3(c) of this permit.</p>

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Emission Limitation(s)/Standard(s) and/or Operational Limitation(s)/Standard(s)	Compliance Determination Methodology (Monitoring/Testing, QA/QC Procedures (as applicable) and Record Keeping)	Reporting/Compliance Certification
<p><i>[Reference: Regulation No. 24, Section 29 dated 11/ 2/ 40 CFR 60, Subpart VV, '60.482-10(g) dated 12/ 14/ CFR 63.648(a)(1) dated 8/ 18/ 98].</i></p> <p>D. Delay of repair of a closed vent system for which le been detected is allowed if the repair is technically i without a process unit shutdown or if the (determines that emissions resulting from immedia would be greater than the fugitive emissions likely from delay of repair. Repair of such equipment complete by the end of the next process unit sh</p> <p><i>[Reference: Regulation No. 24, Section 29 dated 11/ 29/ CFR 60, Subpart VV, '60.482-10(h) dated 12/ 14/ 00 an 63.648(a)(1) dated 8/ 18/ 98].</i></p> <p>E. Closed vent systems and control devices used to with provisions of this subpart shall be operated at when emissions may be vented to them. <i>[Regulation No. 24, Section 29 dated 11/ 29/ 94 and 40 Subpart VV, '60.482-10(m) dated 12/ 14/ 00 and 63.648(a)(1) dated 8/ 18/ 98]</i></p>	<p>under a vacuum, it is exempt from the in requirements of paragraphs (B)(1)(a) and (B)(2) section.</p> <p><i>[Reference: Regulation No. 24, Section 29 dated 11/ 29/ CFR 60, Subpart VV, '60.482-10(i), dated 12/ 14/ 00].</i></p> <p>D. Any parts of the closed vent system that are desig unsafe to inspect are exempt from the in requirements of paragraphs (B)(1)(a) and (B)(2) of th if they comply with the requirements specified in pa (D)(1) and (D)(2) of this section:</p> <ol style="list-style-type: none">1. The Company determines that the equipment to inspect because inspecting personnel would be to an imminent or potential danger as a conseq complying with paragraphs (B)(1)(a) or (B)(2) section; and2. The Company has a written plan that inspection of the equipment as frequently as pr during safe-to- inspect times. <p><i>[Reference: Regulation No. 24, Section 29 dated 11/ 29/ CFR 60, Subpart VV, '60.482-10(j) dated 12/ 14/ 00].</i></p> <p>E. Any parts of the closed vent system that are desig difficult to inspect are exempt from the in requirements of paragraphs (B)(1)(a) and (B)(2) of th if they comply with the requirements specified in pa (E)(1) through (E)(3) of this section:</p> <ol style="list-style-type: none">1. The Company determines that the equipmer be inspected without elevating the inspecting p more than 2 meters above a support surface; and2. The owner or operator designates less 1 percent of the total number of closed vent equipment as difficult to inspect; and3. The Company has a written plan that inspection of the equipment at least once every 5 closed vent system is exempt from inspectio operated under a vacuum. <p><i>[Reference: Regulation No. 24, Section 29 dated 11/ 29/ CFR 60, Subpart VV, '60.482-10(k) dated 12/ 14/ 00].</i></p>	

Condition 3 - Table 1 (Specific Requirements)

Emission Limitation(s)/Standard(s) and/or Operational Limitation(s)/Standard(s)	Compliance Determination Methodology (Monitoring/Testing, QA/QC Procedures (as applicable) and Record Keeping)	Reporting/Compliance Certification
<p>10. Alternative Standards for Valves B Allowable Percentage of Valves Leaking.</p> <p>i. Operational Standards</p> <p>A. The Company may elect to comply with an allowable percentage of valves leaking of equal to or less than the percentage specified in the following table. [Reference: Regulation No. 24, Section 11/ 29/ 94 and 40 CFR 60, Subpart VV, '60.483-1(a) dated 11/ 29/ 94 and 40 CFR 63.648(a)(1) dated 8/ 18/ 98]</p> <p>Owners and operators who elect to comply with this</p>	<p>i. Recordkeeping</p> <p>In addition to the records required by Section 12 of the Company shall record the following and keep for at least five years.</p> <p>A. Identification of all parts of the closed vent system designated as unsafe to inspect, an explanation of why the equipment is unsafe to inspect, and the plan for repairing the equipment.</p> <p>A. Identification of all parts of the closed vent system designated as difficult to inspect, an explanation of why the equipment is difficult to inspect, and the plan for repairing the equipment.</p> <p>A. For each inspection conducted in accordance with '60.486(c), dated 12/ 14/ 00 during which a leak is detected, a record of the information specified in 40 CFR 60, Subpart VV, '60.486(c), dated 12/ 14/ 00.</p> <p>A. For each inspection during which no leaks are detected that the inspection was performed, the date of the inspection and a statement that no leaks were detected.</p> <p>A. For each visual inspection conducted in accordance with paragraph (B)(1)(b) of this section during which no leaks are detected, a record that the inspection was performed of the inspection, and a statement that no leaks were detected.</p> <p>[Reference: Regulation No. 24, Section 29 dated 11/ 29/ 94 and 40 CFR 60, Subpart VV, '60.482-10(l) dated 12/ 14/ 00 and 63.648(a)(1) dated 8/ 18/ 98].</p> <p>. Compliance Method</p> <p>Compliance with the operational standards of this condition shall be demonstrated in accordance with the monitoring/ testing and recordkeeping requirements of this section. [Reference: Regulation No. 30 Section 6(a)(3) dated 11/ 15/ 93]</p> <p>i. Monitoring/Testing</p> <p>A. A performance test as specified in paragraph (C) of this section shall be conducted initially upon design</p>	<p>. Reporting</p> <p>E. The Company must notify the Department that the Company has elected to comply with the allowable percentage of valves leaking before implementing this alternative standard specified in section 13(v)(D). [Reference: Regulation No. 29 dated 11/ 29/ 94 and 40 CFR 60, Subpart VV, '60.483-1(a) dated 12/ 14/ 00].</p> <p>F. Other reporting requirements as specified in section 13(v)(D).</p>

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Emission Limitation(s)/Standard(s) and/or Operational Limitation(s)/Standard(s)	Compliance Determination Methodology (Monitoring/Testing, QA/QC Procedures (as applicable) and Record Keeping)	Reporting/Compliance Certification
<p>alternative standard shall not have an affected facility with a leak percentage greater than 2.0 percent. [Reference: Regulation No. 24, Section 29 dated 11/ 29/ 94 and 40 CFR 60, Subpart VV, '60.483-1(d) dated 12/ 14/ 00 and 40 CFR 63.648(a)(1) dated 8/ 18/ 98].</p>	<p>annually, and at other times requested by the Dep [Reference: Regulation No. 24, Section 29 dated 11/ 29/ CFR 60, Subpart VV, '60.483-1(b)(2) dated 12/ 14/ 00].</p> <p>B. If a valve leak is detected, it shall be repaired in accordance with Section 6(B) and (C) of this unit. [Reference: Regulation No. 24, Section 29 dated 11/ 29/ 94 and 40 CFR 60, Subpart VV, '60.483-1(b)(3) dated 12/ 14/ 00].</p> <p>C. Performance tests shall be conducted in the following manner:</p> <ol style="list-style-type: none">1. All valves in gas/vapor and light liquid service within the affected facility shall be monitored within 1 week using the methods specified in 40 CFR 60, Subpart VV, '60.483-1(b)(3) dated 12/ 14/ 00.2. If an instrument reading of 10,000 ppm or greater is measured, a leak is detected.3. The leak percentage shall be determined by dividing the number of valves for which leaks are detected by the total number of valves in gas/vapor and light liquid service within the affected facility. <p>[Reference: Regulation No. 24, Section 29 dated 11/ 29/ 94 and 40 CFR 60, Subpart VV, '60.483-1(c) dated 12/ 14/ 00 and 40 CFR 63.648(a)(1) dated 8/ 18/ 98].</p> <p>i. Recordkeeping</p> <p>None in addition to the requirements of Section 1 of this permit.</p>	<p>i. Compliance Certification</p> <p>None in addition to that required by Condition 3(c) of this permit.</p>

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Emission Limitation(s)/Standard(s) and/or Operational Limitation(s)/Standard(s)	Compliance Determination Methodology (Monitoring/Testing, QA/QC Procedures (as applicable) and Record Keeping)	Reporting/Compliance Certification
<p>11. Alternative Standards for ValvesBSkip Period Leak Detection and Repair. The Company may elect to comply with one of the al monitoring frequencies specified in paragraphs (iii)(B) a of this section. [Reference: Regulation No. 24, Section 11/ 29/ 94 and 40 CFR 60, Subpart VV, '60.483-2(a), dated 1</p>	<p>. Compliance Method Compliance with the operational standards of this cond be demonstrated in accordance with the monitoring/ te recordkeeping requirements of this section. [Reference No. 30 Section 6(a)(3) dated 11/ 15/ 93]</p> <p>i. Monitoring/Testing A. Company shall comply initially with the requirements f in gas/vapor service and valves in light liquid se described in Section 6 of this unit. [Reference: Reg 24, Section 29 dated 11/ 29/ 94 and 40 CFR 60, Subpart VV 2(b)(1), dated 12/ 14/ 00]. A. After 2 co quarterly leak detection periods with the percent of valve equal to or less than 2.0, an owner or operator may skip 1 of the quarterly leak detection periods for the gas/ vapor and light liquid service. [Reference: Regulati Section 29 dated 11/ 29/ 94 and 40 CFR 60, Subpart VV 2(b)(2), dated 12/ 14/ 00].</p> <p>A. After 5 consecutive quarterly leak detection periods percent of valves leaking equal to or less than 2.0, a or operator may begin to skip 3 of the quart detection periods for the valves in gas/vapor and liq service. [Reference: Regulation No. 24, Section 29 dated and 40 CFR 60, Subpart VV, '60.483-2(b)(3), dated 12/ 1-</p> <p>B. If the percent of valves leaking is greater than 2.0, th or operator shall comply with the requirements as c in Section 6 of this unit but can again elect to use this: [Reference: Regulation No. 24, Section 29 dated 11/ 29/ CFR 60, Subpart VV, '60.483-2(b)(4), dated 12/ 14/ 00].</p> <p>C. The percent of valves leaking shall be determined by the sum of valves found leaking during current m and valves for which repair has been delayed by number of valves subject to the requirements of this: [Reference: Regulation No. 24, Section 29 dated 11/ 29/ CFR 60, Subpart VV, '60.483-2(b)(5), dated 12/ 14/ 00].</p>	<p>. Reporting A. A Company must notify the Department before imple one of the alternative work practices as specified in 13(v)(D) of this unit. [Reference: Regulation No. 24, dated 11/ 29/ 94 and 40 CFR 60, Subpart VV, '60.483-2(a) 12/ 14/ 00].</p> <p>B. Other reporting requirements as specified in Section unit.</p> <p>i. Compliance Certification None in addition to that required by Condition 3(c)(permit.</p>
	<p>i. Recordkeeping</p>	

Condition 3 - Table 1 (Specific Requirements)

Emission Limitation(s)/Standard(s) and/or Operational Limitation(s)/Standard(s)	Compliance Determination Methodology (Monitoring/Testing, QA/QC Procedures (as applicable) and Record Keeping)	Reporting/Compliance Certification
	E. The Company must keep a record of the percent found leaking during each leak detection period. [<i>Regulation No. 24, Section 29 dated 11/ 29/ 94 and 40 Subpart VV, '60.483-2(b)(6), dated 12/ 14/ 00</i>].	
	F. The Company shall keep all the other records listed in 12 of this unit.	
12. Recordkeeping requirements:		
i. The Company shall comply with the recordkeeping requirements of this section. [<i>Reference: Regulation No. 24, Section 29 dated 11/ 29/ 94 and 40 CFR 60, Subpart VV, '60.483-2(b)(6), dated 12/ 14/ 00</i>].	<p>Compliance Method</p> <p>Compliance with this section will be accomplished by meeting the records required by section (iv).</p> <p>i. Monitoring/Testing</p> <p>None in addition to the requirements of the other sections of this unit.</p> <p>j. Recordkeeping</p> <p>E. When each leak is detected, as specified in Sections 10 and 11 of this unit, the following requirements apply:</p> <ol style="list-style-type: none">1. A weatherproof and readily visible identification with the equipment identification number, shall be placed on the leaking equipment.2. The identification on a valve may be removed after it has been monitored for 2 successive months and not been detected during those 2 months.3. The identification on equipment except for a valve shall be removed after it has been repaired. <p>[<i>Reference: Regulation No. 24, Section 29 dated 11/ 29/ 94 and 40 CFR 60, Subpart VV, '60.486(b), dated 12/ 14/ 00</i>].</p> <p>A. When each leak is detected, as specified in Sections 10 and 11 of this unit, the following information shall be recorded in a log and shall be kept for 5 years in an accessible location:</p> <ol style="list-style-type: none">1. The instrument and operator identification number and the equipment identification number.2. The date the leak was detected and the date the attempt to repair the leak.3. The repair methods applied in each attempt to repair the leak. <p>3. A Above 10,000" if the maximum instrument</p>	<p>i. Reporting</p> <p>None in addition to that required by Section 13 of this permit.</p> <p>i. Compliance Certification</p> <p>None in addition to that required by Condition 3(c)(2) of this permit.</p>

Condition 3 - Table 1 (Specific Requirements)

Emission Limitation(s)/Standard(s) and/or Operational Limitation(s)/Standard(s)	Compliance Determination Methodology (Monitoring/Testing, QA/QC Procedures (as applicable) and Record Keeping)	Reporting/Compliance Certification
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reading measured by the methods specified in 40 CFR 60, Subpart VV, '60.485(a), dated 7/1/00 after each repair attempt is equal to or greater than 10,000 ppm.

4. A repair delayed@ and the reason for the delay if not repaired within 15 calendar days after discovery of leak.

5. The signature of the Company (or designee) and a decision it was that repair could not be effected or process shutdown.

6. The expected date of successful repair of the leak if not repaired within 15 days.

7. Dates of process unit shutdown that occur while equipment is unrepaired.

8. The date of successful repair of the leak.

[Reference: Regulation No. 24, Section 29 dated 11/29/00, 40 CFR 60, Subpart VV, '60.486(c), dated 12/14/00].

C. The following information pertaining to the requirements for closed vent systems and controls described in Section 9 of this unit shall be recorded in a readily accessible location:

1. Detailed schematics, design specifications, and piping and instrumentation diagrams.

2. The dates and descriptions of any changes in the specifications.

3. A description of the parameter or parameters monitored as required in 40 CFR 60, Subpart VV, '60.482-10(c), dated 12/14/00, to ensure that control devices are properly maintained in conformance with their design specifications and an explanation of why that parameter (or parameters) was selected for the monitoring.

4. Periods when the closed vent systems and controls required in Sections 1-4 of this unit are not properly designed, including periods when a flare pilot light is not maintained or does not have a flame.

5. Dates of startups and shutdowns of the closed vent systems and control devices required in Sections 1-4 of this unit.

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Emission Limitation(s)/Standard(s) and/or Operational Limitation(s)/Standard(s)	Compliance Determination Methodology (Monitoring/Testing, QA/QC Procedures (as applicable) and Record Keeping)	Reporting/Compliance Certification
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*[Reference: Regulation No. 24, Section 29 dated 11/ 29/
CFR 60, Subpart VV, '60.486(d), dated 12/ 14/ 00].*

- D. The following information pertaining to all equipment to the requirements in Sections 1-9 of this unit recorded in a log that is kept in a readily accessible
1. A list of identification numbers for equipment subject to the requirements of this subpart.
 2. a. A list of identification numbers for equipment designated for no detectable emissions under the provisions of Sections 1(i)(D), 2(i)(F) and 6(i)(D) of this unit.
b. The designation of equipment as subject to the requirements of Sections 1(i)(D), 2(i)(F) and 6(i)(D) of this unit shall be signed.
 3. A list of equipment identification numbers for relief devices required to comply with Section 3 of this unit.
 4. a. The dates of each compliance test as required in Sections 1(i)(D), 2(i)(F), 3, and 6(i)(D) of this unit.
b. The background level measured during each compliance test.
c. The maximum instrument reading measured during each compliance test.
 5. A list of identification numbers for equipment in service.

*[Reference: Regulation No. 24, Section 29 dated 11/ 29/
CFR 60, Subpart VV, '60.486(e), dated 12/ 14/ 00].*

- E. The following information pertaining to all valves subject to the requirements of Sections 6(i)(E) and (F) of this unit and all pumps subject to Section 1(i)(F) of this unit recorded in a log that is kept in a readily accessible
1. A list of identification numbers for valves and pumps designated as unsafe-to-monitor, an explanation of why the valve is unsafe-to-monitor and the plan for monitoring each valve and pump.
 2. A list of identification numbers for valves designated as difficult-to-monitor, an explanation of why the valve is difficult-to-monitor,

Condition 3 - Table 1 (Specific Requirements)

Emission Limitation(s)/Standard(s) and/or Operational Limitation(s)/Standard(s)	Compliance Determination Methodology (Monitoring/Testing, QA/QC Procedures (as applicable) and Record Keeping)	Reporting/Compliance Certification
	<p>schedule for monitoring each valve. [Reference: Regulation No. 24, Section 29 dated 11/ 29/ CFR 60, Subpart VV, '60.486(f), dated 12/ 14/ 00].</p> <p>F. The following information shall be recorded for complying with Section 1 of this unit:</p> <ol style="list-style-type: none">1. A schedule of monitoring.2. The percent of valves found leaking during each monitoring period. <p>[Reference: Regulation No. 24, Section 29 dated 11/ 29/ CFR 60, Subpart VV, '60.486(g), dated 12/ 14/ 00].</p> <p>G. The following information shall be recorded in a log kept in a readily accessible location:</p> <ol style="list-style-type: none">1. Design criterion required in Sections 1(i)(C), 2(iii)(B)(2) of this unit and explanation of the design changes.2. Any changes to this criterion and the reasons for changes. <p>[Reference: Regulation No. 24, Section 29 dated 11/ 29/ CFR 60, Subpart VV, '60.486(h), dated 12/ 14/ 00].</p> <p>H. Information and data used to demonstrate that a piece of equipment is not in VOC service shall be recorded in a log kept in a readily accessible location. [Reference: No. 24, Section 29 dated 11/ 29/ 94 and 40 CFR 60, S. '60.486(j), dated 7/ 1/ 00].</p>	
<p>13. Reporting requirements.</p> <p>i. Standards: The Company shall submit reports as given in section</p>	<p>. Compliance Method</p> <p>Compliance with this condition shall be demonstrated in accordance with the reporting requirements of this condition. [Reference Regulation No. 30 Section 6(a)(3) dated 11/ 15/ 00].</p> <p>i. Monitoring/Testing None.</p> <p>j. Recordkeeping None in addition to the requirements of Section 12 of this unit.</p>	<p>. Reporting</p> <p>7. The Company shall submit semiannual reports to the Department on February 1 and July 1 of each year. [Reference: CFR 60, Subpart VV, '60.487(a), dated 12/ 14/ 00].</p> <p>i. The initial semiannual report to the Department shall include the following information:</p> <ol style="list-style-type: none">1. Process unit identification.2. Number of valves subject to the requirements of Section 12 of this unit, excluding those valves designated as detectable emissions.3. Number of pumps subject to the requirements of Section 12 of this unit.

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Emission Limitation(s)/Standard(s) and/or Operational Limitation(s)/Standard(s)	Compliance Determination Methodology (Monitoring/Testing, QA/QC Procedures (as applicable) and Record Keeping)	Reporting/Compliance Certification
		<p>this unit, excluding those pumps designated for no de emissions and those pumps complying with Section 2(i) unit.</p> <p>4. Number of compressors subject to the requirements c 2 of this unit, excluding those compressors designate detectable emissions and those compressors comply Section 2(i)(G).</p> <p>[Reference: 40 CFR 60, Subpart VV, '60.487(n), dated 12/ ..All semiannual reports to the Department shall inc following information:</p> <ol style="list-style-type: none">1. Process unit identification.2. For each month during the semiannual reporting per a. Number of valves for which leaks were dete described in Section 6(iii)(B) or Section 11 of this uni b. Number of valves for which leaks were not req required in Section 6(i)(B)(1) of this unit, c. Number of pumps for which leaks were deti described in Sections 1(iii)(B)(1) and 1(i)(C)(6)(a) of t d. Number of pumps for which leaks were not req required in Sections 1(i)(B)(1) and 1(i)(C)(6)(b) of thi e. Number of compressors for which leaks were det described in Section 2(iii)(C) of this unit, f. Number of compressors for which leaks were not as required in Section 2(i)(D)(1) of this unit, and g. The facts that explain each delay of repair and appropriate, why a process unit shutdown was te infeasible.3. Dates of process unit shutdowns which occurred w semiannual reporting period.4. Revisions to items reported according to paragra changes have occurred since the initial report or sub revisions to the initial report. <p>[Reference: 40 CFR 60, Subpart VV, '60.487(c), dated 12/).An owner or operator electing to comply with the prov Sections 10 and 11 of unit shall notify the Departme alternative standard selected 90 days before imple either of the provisions. [Reference: 40 CFR 60, Si</p>

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Emission Limitation(s)/Standard(s) and/or Operational Limitation(s)/Standard(s)	Compliance Determination Methodology (Monitoring/Testing, QA/QC Procedures (as applicable) and Record Keeping)	Reporting/Compliance Certification
		<i>'60.487(d), dated 12/ 14/ 00].</i>
. Emission Units 99-1(a), 99-1(b), 99-1(c): Cold solvent degreasers		i. Compliance Certification None in addition to that required by Condition 3(c)(i) of the permit.

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Condition 3 - Table 1 (Specific Requirements)

Emission Limitation(s)/Standard(s) and/or Operational Limitation(s)/Standard(s)	Compliance Determination Methodology (Monitoring/Testing, QA/QC Procedures (as applicable) and Record Keeping)	Reporting/Compliance Certification
<p>1. Operational Standards: i. A. For each cold solvent degreaser the Company shall:</p> <ol style="list-style-type: none">1. Equip the cleaner with a cover that is easily operated one hand if the cleaning solvents used have a vapor pressure greater than 15mm Hg at 100°F;2. Provide a permanent, legible, conspicuous label summarizing the operation requirements;3. Store waste solvent in covered containers; Close the cover whenever the parts are not being handled. <p>Drain the cleaned parts until the dripping ceases; If used, supply a solvent spray that is a solid fluid stream that does not exceed 10 psig; Degrease only materials that are neither porous nor absorbent. [Reference Reg. No. 24, Section 33(c)(1) dated 1/11/93].</p> <p>B. The Company shall not use any solvent containing methylene chloride, perchloroethylene, trichloroethylene, trichloroethane, carbon tetrachloride, or chloroform or any combination of these halogenated HAP solvents, in a concentration greater than 5 percent by weight, as a cleaning and/or drying agent. [Reference 40 CFR 63.460(a) dated 12/11/98].</p> <p>i. Facility Wide: The following permit conditions are applicable to all emission units listed in Condition No. 1 of this permit and any insignificant activity listed in Regulation No. 30 Appendix A operated by the Company.</p>	<p>. Compliance Method: Compliance shall be demonstrated by monitoring/testing and record keeping requirement condition. [Reference Reg. No. 30, Section 6(a)(3) dated 11/15/93].</p> <p>i. Monitoring/Testing:</p> <ol style="list-style-type: none">.. The Material Safety Data Sheet supplied with each new solvent type shall be reviewed. ASTM D323-89 shall be the method used for measuring solvent true vapor pressure. [Reference Reg. No. 24, Section 33(d)(5) dated 1/11/93].. The concentration of the solvents listed in Operational Condition (B) may be determined using EPA Method 18, material balance, data sheets, or engineer calculations. [Reference 40 CFR 63.460(a)(3) dated 12/11/98]. <p>r. Record Keeping: The Company shall maintain copies of the manufacturer supplied Material Safety Data Sheet and other documents showing the solvent content and the vapor pressure of the solvent used as determined by ASTM D323-89. [Reference Reg. No. 30, Section 6(a)(3) dated 11/15/93].</p>	<p>. Reporting Requirement: In addition to Condition 3(c)(2), the Company shall comply with the requirements of Regulation No. 24 Section 33(c)(2) regarding reports of excess emissions.</p> <p>i. Certification Requirement: None in addition to Condition 3(c)(2).</p>

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Condition 3 - Table 1 (Specific Requirements)

Emission Limitation(s)/Standard(s) and/or Operational Limitation(s)/Standard(s)	Compliance Determination Methodology (Monitoring/Testing, QA/QC Procedures (as applicable) and Record Keeping)	Reporting/Compliance Certification
<p>1. Visible Emissions Standard:</p> <p>The Company shall not cause or allow the emission of contaminants and/or smoke from any emission unit, the appearance of which is greater than twenty (20) opacity for an aggregate of more than three (3) minutes in any one (1) hour or more than fifteen (15) minutes in any four (24) hour period. [Reference Regulation No. 14 Section 7/17/84]</p> <p>Odor - State Enforceable Only</p> <p>The Company shall not cause or allow the emission of odorous air contaminant such as to cause a condition of pollution. [Reference Regulation No. 19 Section 2.1 dated 2/1/81]</p>	<p>Compliance Method: Compliance with the emission standard condition shall be demonstrated in accordance with Subsection of Regulation No. 20 and the recordkeeping requirement condition. [Reference Regulation No. 14 Section 4.1 dated 7/17/84; Regulation No. 30 Section 6(a)(3) dated 11/15/93]</p> <p>i. Monitoring/Testing:</p> <p>.. In accordance with Regulation No. 20 Section 1.5, conditions for observations at fifteen second intervals for a period of more than one hour except that the observations may be discontinued whenever a violation of the standard is recorded. The procedures, qualification and testing to be used for visually determining the opacity shall be those specified in Section 2 and 3 (except Section 2.5 and the second sentence of Section 2.4) of Regulation No. 20 Method 9 set forth in Appendix A, 40 CFR Part 60 revised July 1988. [Reference Regulation No. 20 Section 1.5(c) dated 12/7/88].</p> <p>.. The Company shall conduct weekly qualitative plant-wide observations to determine the presence of any visible emissions. If visible emissions are observed, the Company shall take corrective actions and/or determine compliance by conducting a visible observation in accordance with Paragraph (A) above.</p> <p>.. If no visible emissions are observed or are within permitted limits, no further action is required. [Reference Regulation No. 30 Section 6(a)(3) dated 11/15/93].</p> <p>r. Record Keeping: Observation records shall be maintained. [Reference Regulation No. 30 Section 6(a)(3)(i)(B) dated 11/15/93].</p> <p>Compliance Method: Compliance with the emission standard condition shall be demonstrated in accordance with monitoring/testing and record keeping requirements condition. [Reference Regulation No. 30 Section 6(a)(3) dated 11/15/93].</p> <p>i. Monitoring/Testing: Includes but is not limited to scentometer quality monitoring, and affidavits from affected city investigators. [Reference Regulation No. 19 Section 1.2 dated 2/1/81].</p> <p>r. Recordkeeping: Records of all monitoring/testing shall be maintained on site. [Reference Regulation No. 30 Section 6(a)(3)(i)(B) dated 11/15/93].</p>	<p>Reporting Requirement: All records indicating exceedance of standard in accordance with Condition 3(c)(2) of this permit.</p> <p>i. Certification Requirement: None in addition to Condition 3(c)(2) of this permit.</p> <p>Reporting Requirement: All records indicating exceedance of standard in accordance with Condition 3(c)(2) of this permit.</p> <p>i. Certification Requirement: None in addition to condition 3(c)(2) of this permit.</p>

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Condition 3 - Table 1 (Specific Requirements)

Emission Limitation(s)/Standard(s) and/or Operational Limitation(s)/Standard(s)	Compliance Determination Methodology (Monitoring/Testing, QA/QC Procedures (as applicable) and Record Keeping)	Reporting/Compliance Certification
<p>3. Handling, Storage and Disposal of VOCs Work Practice Standards</p> <p>A. The Company shall not cause, allow, or permit the discharge of more than eleven (11) pounds of a Volatile Organic Compound (VOC), or of any materials containing more than eleven (11) pounds of any VOCs, in any one (1) manner that would permit the evaporation of VOC into ambient air. This includes but is not limited to the use of VOC from any VOC control devices. This provision not apply to:</p> <p><u>1.</u> Any VOC or material containing VOC emitted from a regulated entity that is subject to a VOC standard under Regulation No. 24.</p> <p><u>2.</u> Any VOC or material containing VOCs used during maintenance turnarounds for cleaning provided that the provisions of paragraph (B), (D) of this condition are followed.</p> <p><u>3.</u> Waste paint (sludge) handling systems, water based systems, other coating operations using coatings</p> <p>B. No owner or operator of a facility subject to this regulation shall use open containers for the storage or disposal of paint, paper impregnated with VOCs that are used for surface preparation, cleanup, or coating removal. Containers for the storage or disposal of cloth or paper impregnated with VOCs shall be kept closed, except when adding or removing material.</p> <p>C. No owner or operator of a facility subject to this regulation shall store in open containers spent or fresh VOC to be used for surface preparation, cleanup or coating removal. Containers for the storage of spent or fresh VOCs shall be kept closed except when adding or removing material.</p> <p>D. No owner or operator shall use VOC for the cleanup of equipment unless equipment is used to collect the</p>	<p>i. Compliance Method: Compliance shall be demonstrated by adherence with the VOC handling work practices by appropriate training and posting of instructions, and record keeping for storage, use and disposal of VOCs. [Reference Regulation No. 30 Section 6(a)(3) dated 11/ 15/ 93].</p> <p>i. Monitoring/ Testing: Monitor employee training record on an annual basis and update records as needed. [Reference Regulation No. 30 Section 6(a)(3)(i)(B) dated 11/ 15/ 93].</p> <p>i. Recordkeeping: The Company shall keep a record of posted employee training related to these work practice standards for handling, storage, and disposal of VOCs. [Reference Regulation No. 30 Section 6(a)(3)(i)(B) dated 11/ 15/ 93].</p>	<p>i. Record Keeping Requirement: None in addition to conditions of this permit.</p> <p>i. Certification Requirement: None in addition to condition 3 of this permit.</p>

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Condition 3 - Table 1 (Specific Requirements)

Emission Limitation(s)/Standard(s) and/or Operational Limitation(s)/Standard(s)	Compliance Determination Methodology (Monitoring/Testing, QA/QC Procedures (as applicable) and Record Keeping)	Reporting/Compliance Certification
<p>compounds and to minimize their evaporation atmosphere.</p> <p>[Reference Regulation No. 24, Section 8 dated 11/ 29/ 94].</p> <p>4. Petroleum Refinery Sources</p> <p>Emission Standards:</p> <p>With the exception of segregated storm water run systems and non-contact cooling water systems, the shall comply with the following standards for producing systems and process unit turnarounds:</p> <p>i. Vacuum-Producing Systems: No person shall permit the of any uncondensed volatile organic compound (VOC) the condensers, hot wells, or accumulators of any producing system at a petroleum refinery. The standard be achieved by either of the following:</p> <ol style="list-style-type: none">1. Piping the uncondensed vapors to a firebox or incinerator2. Compressing the vapors and adding them to the fuel gas. <p>A. Process Unit Turnarounds: The owner or operator of a petroleum refinery shall provide for the following process unit turnaround:</p> <ol style="list-style-type: none">1. Depressurization venting of the process unit or vapor recovery system, flare, or firebox.2. No emission of VOC from a process unit or vessel whose internal pressure is 136 kiloPascals (kPa) (19.7 psi) or less. <p>[Reference Regulation No. 24 Section 28(c) dated 1/11/93].</p> <p>5. Leaks from Petroleum Refinery Equipment</p> <p>This Section applies to all equipment in volatile organic compound (VOC) service in any process unit at a petroleum refinery regardless of size or throughput. The requirements of OSHA Standards (B) through (F) below do not apply to:</p> <ul style="list-style-type: none">\$ Any equipment in vacuum service.\$ Any pressure relief valve that is connected to an operator header or vapor recovery device.\$ Any liquid pump that has a dual mechanical pump seal	<p>Compliance Methodology: Compliance shall be demonstrated through adherence to the applicable monitoring/testing and record keeping requirements of this section. [Reference Regulation No. 30 Section 6(a)(3)(i)(B) dated 11/15/93].</p> <p>i. Monitoring/Testing: The Company shall:</p> <ol style="list-style-type: none">A. Monitor the internal pressure of each process unit at least immediately prior to venting to the atmosphere.B. Inspect all covers and seals yearly to ensure they are in good condition. <p>[Reference Regulation No. 24 Section 28(c) and (d) dated 1/11/93].</p> <p>j. Record Keeping: The Company shall maintain the records for the following items in a readily accessible location for at least 5 years and shall make these records available to the Department upon verbal or written request:</p> <ol style="list-style-type: none">A. Date of every process unit or vessel turnaround.B. The internal pressure of the process unit or vessel immediately prior to venting to the atmosphere. <p>[Reference Regulation No. 24 Section 28(c) and (d) dated 1/11/93].</p> <p>Compliance Methodology: Compliance shall be demonstrated through adherence to the applicable equipment leak detection program, monitoring/testing and record keeping requirements specified below. [Reference Regulation No. 30 Section 6(a)(3)(i)(B) dated 11/15/93].</p> <p>i. Monitoring/Testing:</p> <ol style="list-style-type: none">a. In conducting the tests required to comply with paragraph j. of this Section, the Company shall use the test methods	<p>Reporting Requirement: Nothing in addition to Condition 3 of this permit.</p> <p>i. Certification Requirement: Nothing in addition to Condition 3 of this permit.</p> <p>Reporting Requirement: Nothing in addition to Condition 3 of this permit.</p> <p>i. Certification Requirement: Nothing in addition to Condition 3 of this permit.</p>

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barrier fluid system.

\$ Any compressor with a degassing vent that is routed to a degassing vent operating VOC control device.

\$ Pumps and valves in heavy liquid service except that if a leak is found by visual, audible, olfactory, or other method, the owner or operator shall confirm the presence of a leak using the methods specified in Appendix "F" of Regulation No. 24. If a leak is confirmed, the owner or operator shall repair the leak as specified in paragraph (E) of this section. *[Reference Regulation No. 24 Section 29(a) dated 11/29/94].*

Operational Standards:

1. General Standards. The Company shall:

1. Any open-ended line or valve is sealed with a second blind flange, cap, or plug except during operations requiring process fluid flow through the open-ended line or valve.
2. When a second valve is used, each open-ended line or valve equipped with a second valve is operated in such a manner that the valve on the process fluid end is closed before the second valve is closed.
3. When a double block-and-bleed system is used, the valve or line is open only during operations that require venting of the line between the block valves and is closed at all other times.

[Reference Regulation No. 24 Section 29(c) dated 11/29/94].

B. Equipment inspection program. The Company shall conduct an equipment inspection program described in paragraphs (3) through (5) below using the test methods specified in Appendix "F" of Regulation No. 24.

1. The Company shall conduct quarterly monitoring of each of the following:
 - a. Compressor.
 - b. Pump in light liquid service.
 - c. Valve in light liquid service, except as provided in Operational Standards (C) and (D) below.
 - d. Valve in gas/ vapor service, except as provided in Operational Standards (C) and (D) below.
 - e. Pressure relief valve in gas/ vapor service, except as provided in Operational Standards (C) and (D) below.
2. The Company shall conduct a weekly visual inspection of each pump in light liquid service.
3. The Company shall monitor each pressure relief valve in gas/ vapor service to ensure that the valve has been resealed and is not leaking.

in Appendix "F" of this Regulation No. 24.

3. The Company shall test each piece of equipment as required under paragraph 5(i)(B) of this Section unless it is demonstrated that a process unit is not in VOC service or that the VOC content would never be reasonably expected to exceed 10 percent by weight. For purposes of this demonstration, the following methods and procedures shall be used:

1. Procedures that conform to the general methods E260, E168, and E169 shall be used to determine the VOC content in the process fluid that is contained in or contacts a piece of equipment.

2. Where the test methods in paragraph 5(iii)(B)(1) are used to measure exempt compounds, these compounds shall be excluded from the total quantity of organic compounds used in determining the VOC content of the process fluid.

3. Engineering judgment may be used to estimate the VOC content if a piece of equipment had not been shown previously to be in VOC service. If the Department disagrees with the judgment, paragraphs (1) and (2) above shall be used to resolve the disagreement.

C. The Company shall demonstrate that a piece of equipment in light liquid service by showing one of the following:

1. All of the following conditions apply:

a. The vapor pressure of one or more of the components is greater than 0.3 kPa at 20EC (0.044 in. Hg at 68EF) as determined by standard reference texts or ASTM D2879 shall be used to determine the vapor pressures.

b. The total concentration of the pure components having a vapor pressure greater than 0.3 kPa at 20EC (0.044 in. Hg at 68EF) is equal to or greater than 20 percent by weight.

c. The fluid is a liquid at operating conditions.

2. The percent VOC evaporated is greater than 10 percent at 150EC (302EF) as determined by ASTM D86.

D. Samples used in conjunction with paragraphs (B) and (C) shall be representative of the process fluid that is contained in or contacts the equipment.

[Reference Regulation No. 24 Section 29(i) dated 11/29/94].

4. Record Keeping:

A. The Company shall comply with the recordkeeping requirements of this Section. Except as noted, these records shall be maintained in a readily accessible location for a minimum of 5 years and shall be made available to the Department.

4. When an instrument reading of 10,000 parts per million greater is measured, it shall be determined that a leak has been detected.
5. If there are indications of liquid dripping from the equipment, it shall be determined that a leak has been detected.
6. When a leak is detected, the Company shall affix a readily visible tag in a bright color bearing the equipment identification number and the date on which the leak was detected. This tag shall remain in place until the equipment is repaired. The requirements of this Section shall apply to any leak detected by the equipment identification program and to any leak from any equipment that is on the basis of sight, sound, or smell.

[Reference Regulation No. 24 Section 29(d) dated 11/29/94].

C. Alternative standards for valves:

Skip period leak detection and repair.

1. The Company shall comply initially with the requirements for valves in gas/ vapor service and valves in light liquid service as described in Operational Standard (B) above.
2. After two consecutive quarterly leak detection periods in which the percent of valves leaking equal to or less than 2.0, the Company or operator may begin to skip one of the quarterly leak detection periods for the valves in gas/ vapor and light liquid service.
3. After five consecutive quarterly leak detection periods in which the percent of valves leaking equal to or less than 2.0, the Company may begin to skip 3 of the quarterly leak detection periods for the valves in gas/ vapor and light liquid service.
4. If the percent of valves leaking is greater than 2.0, the Company shall comply with the requirements as described in Operational Standard (B) but can again elect to use the requirements of this section.
5. The percent of valves leaking shall be determined by the sum of valves found leaking during current monitoring periods divided by the total number of valves subject to the requirements of this Section.
6. The Company shall keep a record of the percent of valves leaking during each leak detection period.

[Reference Regulation No. 24 Section 29(e) dated 11/29/94].

D. Alternative standards for unsafe-to-monitor valves and difficult-to-monitor valves.

1. Any valve that is designated, as described

immediately upon verbal or written request.

- B. An owner or operator of more than one affected facility may comply with the provisions of this Section may comply with the recordkeeping requirements for these facilities in one recordkeeping system that identifies each record by each facility.
- C. When each leak is detected as specified in Operational Standard (B) of this Section, the following information shall be recorded in a log and shall be kept for 5 years in a readily accessible location:
 1. The instrument and operator identification numbers and the equipment identification number.
 2. The date the leak was detected and the dates of each attempt to repair the leak.
 3. The repair methods employed in each attempt to repair the leak.
 4. The notation "Above 10,000" if the maximum instrument reading measured by the methods specified in Appendix A of this Regulation No. 24 after each repair attempt is equal to or greater than 10,000 ppm.
 5. The notation "Repair delayed" and the reason for the delay if a leak is not repaired within 15 calendar days after the leak.
 6. The signature of the owner or operator (or designated representative) and a decision it was that repair could not be effected without a process shutdown.
 7. The expected date of successful repair of the leak if the leak is not repaired within 15 calendar days.
 8. The dates of process unit shutdowns that occur while the equipment is unrepaired.
 9. The date of successful repair of the leak.
- D. A list of identification numbers of equipment in vacuum service shall be recorded in a log that is kept in a readily accessible location.
- E. The following information pertaining to all valves subject to the requirements of Operational Standard (D) of this Section shall be recorded in a log that is kept for 5 years in a readily accessible location:
 1. A list of identification numbers for valves that are designated as unsafe to monitor, an explanation for each valve why the valve is unsafe to monitor, and the schedule for monitoring each valve.
 2. A list of identification numbers for valves that are designated as difficult to monitor, an explanation for each valve why the valve is difficult to monitor, and the schedule for monitoring each valve.

paragraph (iv)(E)(1) of this Section, as an unsafe-t valve is exempt from the requirements of Operational (B) if:

- a. The owner or operator of the valve demonstrates valve is unsafe to monitor because monitoring] would be exposed to an immediate dang consequence of complying with Operational Stan
- b. The owner or operator of the valve adheres to a w that requires monitoring of the valve as freq practicable during safe-to-monitor times.

2. Any valve that is designated, as descr paragraph (iv)(E)(1) of this Section, as a difficult-t valve is exempt from the requirements of Operational (B) if:

- a. The owner or operator of the valve demonstrates valve cannot be monitored without elevating the r personnel more than 2 meters (m) (6.6 feet [ft] support surface.
- b. The owner or operator of the valve follows a wri that requires monitoring of the valve at least c calendar year.

[Reference Regulation No. 24 Section 29(f) dated 11/29/94].

E. Equipment repair program. The Company shall:

1. Make a first attempt at repair for any leak not 1 5 calendar days after the leak is detected.
2. Repair any leak as soon as practicable, but not 1 15 calendar days after it is detected except as pr paragraph (h) of this Section.

[Reference Regulation No. 24 Section 29(g) dated 11/29/94].

F. Delay of repair.

1. Delay of repair of equipment for which a leak 1 detected is allowed if the repair is technically without a process unit shutdown. Repair of such e shall occur before the end of the next process unit s
2. Delay of repair of equipment is allowed for equipme isolated from the process and that does not remai service.
3. Delay of repair beyond a process unit shutdown is al a valve, if valve assembly replacement is necessa the process unit shutdown, valve assembly supp been depleted, and valve assembly supplies 1 sufficiently stocked before the supplies were deplete

monitoring each valve.

- F. The following information for valves complying with O Standard (C) of this Section shall be recorded in a k kept for 5 years in a readily accessible location:
1. A schedule of monitoring.
 2. The percent of valves found leaking during each r period as noted in Operational Standard (C)(6 Section.
- G. Information and data used to demonstrate that a equipment is not in VOC service shall be recorded in ; is kept for 5 years in a readily accessible location f determining exemptions as provided at the beginnin Section.

[Reference Regulation No. 24 Section 29(j) dated 11/29/94].

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of repair beyond the next process unit shutdown allowed unless the next process unit shutdown occurs within 6 months after the first process unit shutdown.

[Reference Regulation No. 24 Section 29(h) dated 11/29/94].

6. Other Sources that Emit VOCs.

7. Emission Standard:

The facility shall be subject to the standards and require Regulation No. 24 Section 50 if there is/are any applicable so determined by Regulation No. 24 Section 50(a). *[Reference Regulation No. 30 Section 6(a)(3)(i)(B) dated 11/15/93].*

. Compliance Methodology: Compliance shall be demonstrated through adherence to the applicable test methods, procedures, monitoring/testing, and record keeping reporting requirements of Regulation 24 Section 50.

[Reference Regulation No. 30 Section 6(a)(3)(i)(B) dated 11/15/93].

i. Monitoring/Testing: The Company shall comply with applicable monitoring and testing requirements of Regulation 24 Section 50. *[Reference Regulation No. 30 Section 6(a)(3)(i)(B) dated 11/15/93].*

ii. Record Keeping: The Company shall comply with all applicable record keeping requirements of Regulation 24 Section 50. *[Reference Regulation No. 30 Section 6(a)(3)(i)(B) dated 11/15/93].*

iii. Reporting Requirement: All applicable reporting requirements of Regulation 24 Section 50 in addition to Condition 3(c)(2) of this permit.

i. Certification Requirement: All applicable certification requirements of Regulation 24 Section 50 in addition to Condition 3 of this permit.

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Condition 4. Operational Flexibility

- a. In addition to the operational flexibility specifically provided in the terms and conditions detailed in Condition 3 - Table 1 of this permit, the Company is authorized to make any change within the facility which contravenes the terms and conditions of this permit without a permit revision if the change:
 1. Is not a modification or otherwise prohibited under any provision of Title I of the Act or the State Implementation Plan (SIP); and *[Reference Regulation No. 30 Section 6(h), dated 11/15/93]*.
 2. Does not involve a change in any compliance schedule date; and *[Reference Regulation No. 30 Section 6(h), dated 11/15/93]*.
 3. Does not result in a level of emissions exceeding the emissions allowable under this permit, whether expressed herein as a rate of emissions or in terms of total emissions. *[Reference Regulation No. 30 Section 6(h), dated 11/15/93]*.
- b. Before making a change under the provisions of Condition 4(a) of this permit, the Company shall provide advance written notice to the Department and to the EPA in accordance with Condition 3(c)(2)(iii) of this permit. *[Reference Regulation No. 30 Section 6(h)(1), dated 11/15/93]*.
- c. The Company shall keep records of any change made under Condition 4 of this permit in accordance with Condition 3(b)(2)(iv) of this permit. *[Reference Regulation No. 30 Section 6(h)(1), dated 11/15/93]*.

Condition 5. Compliance Schedule.

This permit does not contain a compliance schedule. *[Reference Regulation No. 30, Section (6)(c)(3), dated 11/15/93]*.

Condition 6. Permit Shield.

This permit does not provide a permit shield. *[Reference Regulation No. 30, Section (6)(f)(3), dated 11/15/93]*.

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Title V File
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